POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS
MOLECULAR AND CELL BIOLOGY

The Molecular and Cell Biology Department of the University of Texas at Dallas invites applications for two TENURE-TRACK FACULTY positions (appointment at higher levels is possible) to begin September 1, 1996. One search seeks to identify candidates with interests in any area of structural molecular biology. Applicants will be expected to establish a research program and share responsibilities for teaching. The other search seeks candidates with interests in any area of molecular and cell biology with a strong background in cell biology. Applicants will be expected to establish a research program and share responsibilities for teaching. Applications will be reviewed immediately and will be accepted until February 19, 1996. Inquiries should be directed to: Search Committee Chair, Department of Molecular and Cell Biology, University of Texas at Dallas, P.O. Box 33079, Richardson, TX 75083-0688. Review of applications will begin on March 1, 1996. The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS

Microbiology

Medical school microbiology department with active Ph.D. program invites applications for two tenure-track/tenured faculty positions in microbial genetics. Applicants should have a Ph.D. in microbial genetics, an active research program, and experience in teaching medical, dental and graduate courses. Experience in department chair or other administrative positions is preferred. Applications should be submitted before April 1, 1996. Submit curriculum vitae, a brief statement of research and teaching interests, and the names of three references to: Search Committee, Department of Microbiology and Immunology, Tulane University School of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112. Tulane University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN MICROBIOLOGY

Applications are being accepted for a full-time, tenure-track position at the ASSISTANT PROFESSOR level. Primary consideration will be given to individuals with strong research and teaching backgrounds in microbial genetics. Applicants must have a Ph.D. and postdoctoral experience in research and teaching. Successful candidates will be expected to develop an extramurally funded research program involving under- and graduate students and teach an undergraduate course in cell biology and another course in their specialty. Review of applications will begin on September 1, 1996. The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

COLUMBIA UNIVERSITY

The Department of Microbiology seeks an outstanding candidate for a tenure-track position at the ASSISTANT PROFESSOR level. The applicant’s research program should focus on the basic mechanisms of microbial metabolism and cell biology. The successful candidate will be expected to develop an extramurally funded research program involving under- and graduate students, and teach an undergraduate course in cell biology and another course in their specialty. Applications should be submitted before February 15, 1996. Submit curriculum vitae, a brief statement of research and teaching interests, and the names of three references to: Dr. William S. Cohen, Department of Microbiology, 745 West 116th Street, New York, NY 10027. Columbia University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

COLUMBIA UNIVERSITY

The Department of Microbiology seeks an outstanding candidate for a tenure-track position at the ASSISTANT PROFESSOR level. The applicant’s research program should focus on the basic mechanisms of microbial metabolism and cell biology. The successful candidate will be expected to develop an extramurally funded research program involving under- and graduate students, and teach an undergraduate course in cell biology and another course in their specialty. Applications should be submitted before February 15, 1996. Submit curriculum vitae, a brief statement of research and teaching interests, and the names of three references to: Dr. William S. Cohen, Department of Microbiology, 745 West 116th Street, New York, NY 10027. Columbia University is an Affirmative Action/Equal Opportunity Employer.

CELL/MOLECULAR BIOMEDICAL

A FACULTY POSITION is available in the Division of Biomedical Sciences. Candidates must have a doctorate degree, postdoctoral or teaching experience in a relevant field preferred, and a commitment to interdisciplinary teaching. The candidate will participate in teaching medical, dental, and/or other academic activities. Position begins July 1, 1996. Salary and rank will be commensurate with experience and qualifications. Send curriculum vitae to: Dr. E. R. Meade, Department of Cell Biology, The University of Texas at Dallas, P.O. Box 33079, Richardson, TX 75083-0688. Review of applications will begin on December 1, 1995. The University of Texas at Dallas is an Equal Opportunity Employer.
When Science and Technology Come Together, Anything Is Possible. And Everything Is Achieved.

By merging pharmaceutical science with genomics technology, Eli Lilly and Company is creating unprecedented opportunities to better meet the global population's health care needs. Understanding the structure and function of genes will provide insight into the initiation and progression of diseases. We are using genetic information for the development of new therapeutics to improve health care and manage diseases. Genomics research thus joins a long history of innovation in the health care industry at Lilly that has made us a leader in the pharmaceutical industry. And achieving all this is a dedicated team of technical professionals. Their talents and skills in a variety of technical arenas, keep our $5+ billion company on the cutting edge. So bring your scientific and technical knowledge together with ours at Lilly, and achieve everything you ever thought possible - and some things never even imagined.

Senior Research Scientist - Group Leader, Gene Expression

You will work with a multidisciplinary group of Ph.D. and associate scientists that will identify, characterize, synthesize, and express genes involved in human diseases to develop new targets for therapeutic drugs. This position requires a Ph.D. in molecular biology, including at least five years research experience. Expertise in mammalian gene expression, proven ability to work with a multidisciplinary group coordinating overall expression efforts, experience in embryonic stem cell work, and expertise in using viral vector systems are highly desirable. Strong communication and problem solving skills are required. Reference ADSCIP01

Associate Scientist - Molecular Genetics, General Expression, Biotechnology

A position will be available in the Department of Biotechnology Research for a BA/BS level (with experience) or MS level (with research thesis). Review of applications is ongoing. Selection for this position will be based solely on merit, for non-merit reasons such as race, color, religion, sex, national origin, political affiliation, marital status, sexual orientation, handicapping condition, age or membership or non-membership in an employee organization.

NIH is an Equal Opportunity Employer

Senior Scientist - Library Production

Develop and implement a program in cDNA library construction and high density screening. A Ph.D. in Genetics, Molecular Biology, or a related field and relevant postdoctoral experience are required. Qualified candidates will have a demonstrated research experience in gene identification, isolation, and analysis including expertise in large insert cloning vectors. Reference ADSCIP01

Associate Scientist - Molecular Biology

Responsibilities include the construction and analysis of cDNA and genomic cDNA libraries and the development of methods for screening high density library arrays in support of gene cloning and characterization programs. An MS or equivalent and relevant experience in molecular biology, including gene cloning, are required. Reference ADSCIB01

Senior Scientist - Biochemist

We are searching for a Biochemist who will work on the functional characterization of unknown proteins as part of our genomics program. General skills in biochemistry including protein purification, enzymology, protein binding, etc. are required. Applicants must have a Ph.D. degree in Biochemistry or a related discipline and postdoctoral experience in the study of structure/function relationships of proteins. Reference ADSCIB01

Associate Scientist - Biochemist

A BS or MS in Biochemistry or related discipline and experience in general biochemical techniques are required. The position involves the functional characterization of proteins of unknown function as part of our genomics program. Reference ADSCIB01

Senior Scientist - Bioinformatics

Implement an interactive, team-oriented program to develop and apply the software systems required to support gene identification and analysis, structural biology, database and laboratory information management systems. A Ph.D. in the sciences and postdoctoral experience are required. Qualified candidates will have demonstrated research experience in both biology and computer sciences. Interactions with external collaborators will require outstanding oral and written communication skills. Reference ADSCIP01

In addition to a competitive salary and benefits, you'll enjoy pursuing your career in a professional environment that encourages you to pursue every possibility for technical innovation. For confidential consideration, please send resume and cover letter indicating the position of interest to: Eli Lilly and Company, Scientific Recruitment, Reference ADSCIP01

Eli Lilly and Company

We are an equal opportunity employer dedicated to diversity and the strength it brings to the work place. For other job opportunities, please access our Job Bank at https://www.lilly.com or phone our Jobline 1-800-892-9121.
**POSITIONS OPEN**

**ASSISTANT PROFESSOR IN DEVELOPMENTAL BIOLOGY**

University of Minnesota Medical School

The Department of Cell Biology and Neuroanatomy invites applications for a tenure-track TENURE-TRACK POSITION from candidates with strong research programs in the field of vertebrate developmental biology/genetics. Excellent opportunities will be available as part of the new Program of Developmental Genetics, headed by Chris Wylie, in the Institute of Human Genetics. Candidates must have a Ph.D. degree (or foreign equivalent) and a minimum of two years of postdoctoral experience. They must also have demonstrated the ability to carry out independent, high-quality research, with publications in peer-reviewed journals, and be well-versed in developing a strong, extramurally-funded research program. The Program of Developmental Genetics offers excellent opportunities and facilities for collaborative research. This interdepartmental program will contain an eventual faculty of up to eight, with primary appointments in different Medical School departments. A strong emphasis will be placed on candidate’s abilities to interact with other faculty members in this program and in the Department of Cell Biology and Neuroanatomy. Teaching will be extinguished from courses in developmental biology/genetics. The deadline for receipt of applications will be March 15, 1996.

Applications should include a current curriculum vitae, statements of research goals and intentions, and names and addresses of three references. Please send to: Camille Lund, Developmental Biology Search Committee, Department of Cell Biology and Neuroanatomy, University of Minnesota, 4-335 Jackson Hall, 322 Church Street SE, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Educator and Employer.

**PHYSIOLOGY AND BIOPHYSICS ASSISTANT OR ASSOCIATE PROFESSOR**

Applications are invited for a tenure-locating faculty position in the Department of Physiology and Biophysics at the University of Washington. We are seeking a strong investigator in cardiovascular physiology or related fields. This individual will be expected to develop a strong independent research program in cardiovascular research and to collaborate with members of our laboratory and departmental colleagues in areas of cardiovascular genetics, cell biology, and clinical medicine. Postdoctoral experience is desirable. Salary and rank will be commensurate with experience. This is an excellent opportunity for a creative scientist to have a leadership role in a vigorous research program.

Applicants should send a statement of their research interests, three letters of recommendation to: Francis J. Clark, Ph.D., Chairman, Search Committee, Department of Physiology and Biophysics, University of Washington, Box 357670, Seattle, WA 98195-7670. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

**CANCER GENETICIST**

The Department of Genetics at the Southwest Foundation for Biomedical Research invites applications for a FACUL-TEY-LEVEL POSITION for an individual with experience in cancer genetics. The position will be expected to develop a strong independent research program on UV-induced cancer and to collaborate with members of our laboratory on radiation oncology, bone metastasis, melanoma and colorectal cancer. Research with human subjects, rodents, and our pedigreed colony of 2000 baboons also will be possible. We are interested in candidates with Ph.D. with postdoctoral research experience. Salary and rank and will be commensurate with experience. This is an excellent opportunity for a creative scientist to have a leadership role in a vigorous research program. Send résumé, statement of research interests, names, and addresses, and telephone numbers of three references to: Dr. James E. Hinson, Search Committee Chair, c/o Mike Moore, Director of Human Resources (540), Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147. Equal Opportunity Employer, Minority/Female.

**MOLGENIST**

**ASSISTANT PROFESSOR (TENURE-TRACK)**

The Department of Microbiology at the Medical College of Ohio invites applications for a tenure-track, full-time position at the ASSISTANT PROFESSOR level. Applicants must have at least one year of postdoctoral experience, and a record of research productivity. The successful candidate will be expected to teach and develop an independent research program in immunology related to host response to infection, which could include vaccine development. Competitive salary, space, and start-up funds will be provided. Applicants should send a statement of research goals, a curriculum vitae, and three letters of recommendation forwarded to: Gary T. Cole, Ph.D., Chairman, Department of Microbiology, Medical College of Ohio, 3000 Arlington Avenue, Toledo, OH 43609-0086. The position will be filled on February 29, 1996. Affirmative Action/Equal Opportunity Employer.

**ASSISTANT PROFESSOR OF BIOLOGY**

In order to replace a faculty member who has taken a temporary administrative position, the Department of Biological Sciences of Baldwin-Wallace College invites applications for a THREE-YEAR, NON-TENURE-TRACK position beginning fall 1996. Applicants must possess a Ph.D. in the biological sciences. The position has a strong commitment to teaching at the undergraduate level. Responsibilities include teaching, curriculum planning, and with the Chair, designing and implementing general biology courses (for biology majors), and general biology (for non-majors). Baldwin-Wallace, located in a suburb of Cleveland, is a private, liberal arts college of 2,500 full and part-time undergraduate students in day, evening, and weekend programs. The successful candidate will have a Ph.D. degree and a strong interest in teaching undergraduates. Applications with supporting statements, letters of reference and brief vita should be sent to the Chair, Department of Biology, Baldwin-Wallace College, 275 Eastland Road, Berea, OH 44017. Review of applications will begin on March 1, 1996, and will continue until the position is filled. Baldwin-Wallace is an Equal Opportunity/Affirmative Action Employer.

**ENVIRONMENTAL TOXICOLOGIST**

The University of Texas at El Paso (UTEP)

UTEP, through its NIH-funded Border Biomedical Research Center, seeking a tenure-track ASSISTANT OR ASSOCIATE PROFESSOR to work in molecular or cellular toxicology. Special consideration will be given to candidates with a focus on the environmental impact of toxicological research. Experience in the deployment of toxicology research is expected from the successful candidate. Send a letter of application to: Dr. Richard A. Hilliard, Department of Biology, University of Texas at El Paso, P.O. Box 19050, El Paso, Texas 79968-0519. Review of applications begins March 1, 1996. The University does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.

**SIGNAL TRANSDUCTION AND GENE THERAPY POSITIONS**

The University of Florida (UF) Brain Institute (http://www.uibi.ufl.edu) is recruiting for two tenure-track ASSISTANT PROFESSOR/Associate Professor positions. The salary is negotiable. These positions are supported in part by a grant funded from the Lucille P. Markey Charitable Trust. a) Molecular or cellular neurobiology of signal transduction processes involved in nervous tissue damage and maintenance. Trauma, epilepsy, and ischemia are conditions of interest, though the molecular mechanisms are desired. Ap- pointment will be associated with the UF Program in Signal Transduction. b) Gene transfer into the nervous system, with emphasis on developing vector systems to study neuronal development. Appointment will be associated with UF Gene Therapy Center. The successful candidates should have a Ph.D. in Molecular Biology and a minimum of three years of postdoctoral experience. A strong commitment to teaching at the University of Florida is required. Applications must be submitted to the UF Brain Institute, University of Florida, Gainesville, FL 32610-2444. Application deadline: February 14, 1996. University of Florida is an Equal Opportunity Employer, Minority and Women are especially encouraged to apply.

**EAST CAROLINA UNIVERSITY**

**SCHOOL OF MEDICINE**

The Department of Pharmacology invites applications for a tenure-track ASSISTANT PROFESSOR position. Successful applicants are expected to have a minimum of two years postdoctoral experience, an excellent record of scholarship and either research support or the potential to develop and maintain an active, independent research program. Preference will be given to applicants with training and postdoctoral experience in molecular biology and the ability to apply these skills to the solution of pharmacological problems. Participation in the teaching of medical and graduate students is also required. Please send curriculum vitae, statement of research interest, research goals, and letter of recommendation to: Dr. Wallace A. Woolf, Chairman, Department of Pharmacology, School of Medicine, East Carolina University, Greenville, NC 27858. Applications will be received until April 15, 1996. Federal law requires proper documentation of identity and employability at the time of employment. East Carolina University is an Affirmative Action/Equal Opportunity Employer and invites applications from women and minority scientists.
Here at Chiron, we are on the leading edge of biotechnology research and scientific advancement, producing an array of therapeutic and diagnostic tools to advance potential cures for cancer and serious infectious diseases. We have the following opportunity:

**Scientist or Post-Doctoral Position**

In this challenging position, you will be responsible for the identification and study of novel growth factors involved in early embryonic development—particularly that of the vascular and nervous systems.

To qualify, you must have a proven record of research achievement and scholarship, a PhD or equivalent and post-doctoral training. Our ideal candidate will also possess a strong background in molecular biology techniques applied to developmental biology.

If you have the dedication, spirit and flexibility to rise to our many challenges, send your resume to: Chiron Corporation, Human Resources, Box #95-402, 4560 Horton Street, Emeryville, CA 94608. We are an equal opportunity employer.

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**GROUP LEADER**

**PCR Robotics**

Digital Gene Technologies, Inc. a new La Jolla, California based biotechnology company in the dynamic field of genomics, specializes in the automation of assays to determine gene expression patterns and establishing gene expression databases. We are recruiting highly motivated and dedicated individuals who possess the necessary skills to help advance DGT into the forefront of genomics discoveries.

This position requires experience with robotic hardware and software applications. You will lead a group of scientists dedicated to run an automated PCR robotic workstation and analyze samples utilizing automated sequencers. The candidate will be expected to develop a close working relationship with our Bioinformatics and Molecular Biology departments. A Ph.D. is preferred.

For consideration, please send your CV along with salary history and expectations to:

Digital Gene Technologies, Inc.
11149 N. Torrey Pines Road, Suite 110
La Jolla, CA 92037

Equal Opportunity/ Affirmative Action Employer

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**HEALTH SCIENTIST ADMINISTRATOR (HSA), GS-601-15**

**THE NATIONAL INSTITUTES OF HEALTH, NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES, BETHESDA, MD** is seeking an HSA as the Director, Minority Biomedical Research Support (MBRS) Branch. The incumbent will plan and direct a program of competitive institutional research and resource grants to increase the number of ethnic minority faculty, students, and investigators in the biomedical sciences and to broaden the opportunities for research participation by ethnic minorities. In addition, he/she will serve as a staff scientist with responsibilities for the scientific administration of a portfolio of MBRS grants.

Applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for this position. In addition to the KSAs, there are a number of documents that must be submitted when applying for this position. To obtain position information, qualifications and application requirements, please call the NIGMS PERSONNEL OFFICE (301) 594-2749

TDD Number (301) 402-6327. Announcement closes 2/12/96. U.S. citizenship is required.

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**Head, Department of Biochemistry**

**University of Arizona**

The Department of Biochemistry is conducting a search for a person to be appointed Head of the Department. Applications and nominations of experienced biochemists should be submitted as soon as possible, and preferably not later than March 31, 1996; review of applications will begin on that date and will continue until the position is filled. Applications and nominations should be sent to Professor Gordon Tollin, Chair, Head-Search Advisory Committee, Department of Biochemistry, PO Box 21088, The University of Arizona, Tucson, AZ 85721.

The department focuses broadly on education and research in biochemistry, and has undergraduate programs leading to the Bachelor of Science degree, and graduate programs aimed at advanced education and research leading to the Ph.D. The degree program serves needs of students with varied career goals and aspirations in biochemistry research and education. The department is also responsible for biochemistry education in the Medical College.

The Biochemistry Department spans three University of Arizona Colleges (Agriculture, Medicine and Science), with resources drawn from, and faculty appointed in, variously, one or more of the three colleges. The department’s facilities are distributed on both the Main and Health Sciences campuses. The department head reports to the Dean of the College of Science, and is responsible for providing proactive academic leadership, for planning and administration of the department’s educational and research programs, for managing the department’s budgets, research accounts, facilities and personnel, and for leading the faculty in long-term strategic planning that responds to changing environments, needs, opportunities and realities that affect academic and research programs. The successful candidate must be one who demonstrates promise of carrying out the responsibilities of the department head in a collegial, constructive partnership with the faculty and the University administration. The successful candidate must also have an established record of research funding and productivity in any area of biochemistry as evidenced by national and international recognition, and proven ability to train graduate and postdoctoral scientists. Furthermore, it is expected that the department head will maintain an active research program.

Applicants/nominees must submit an up-to-date curriculum vitae and publication list, the names of at least three references, and a 1- or 2-page statement. The written statement (which will be made public within the department) should give an assessment of challenges, problems and opportunities confronting a biochemistry department in its academic mission as part of a major public research university and in terms of biochemistry as an evolving discipline in the context of the current and anticipated environment for scientific research and education.

THE UNIVERSITY OF ARIZONA, AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION/ADA EMPLOYER ENCOURAGES APPLICATIONS FROM WOMEN AND MEMBERS OF UNDERREPRESENTED MINORITY GROUPS.
**HEALTH SCIENTIST ADMINISTRATOR (HSA)**

NIH/National Institute of General Medical Sciences
Division of Pharmacology, Physiology, and Biological Chemistry
Biochemistry and Biorelated Chemistry Branch

The incumbent serves as an HSA and staff scientist, responsible for managing the programming and evaluation of a portfolio of grant applications concerned with the areas of organic chemistry. He/she advises grantees and professional staff members regarding the research aspects of grants within his/her purview and serves as a sole source of technical competence. In addition, he/she develops program activities relating to various multi-disciplinary approaches in organic chemistry.

Applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for these positions. In addition to the KSAs, there are a number of documents that must be submitted when applying. To obtain position information, qualifications and application requirements, please call the

**NIGMS PERSONNEL OFFICE**

(301) 594-2749

TDD Number (301) 402-6327. Announcement closes 2/26/96. U.S. citizenship is required.

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**RESEARCH SCIENTIST**

**Assay Development for Chemical Libraries**

This position will be responsible for developing and validating novel solution- and solid-phase assays for chemical libraries. The range of assays will include soluble and cell-based receptor binding, enzyme inhibition and ELISAs. Additional responsibilities include the development of automation and detection for high throughput assays of libraries.

This position requires a BS/BA in the biological sciences with at least 3-6 years experience developing a broad range of biochemical assays or an MS in the biological sciences with at least 1-3 years experience developing a broad range of biochemical assays. Specific experience in running cell-based, receptor binding, and enzyme inhibition assays is essential. Experience with laboratory automation and optical detection methods is a plus.

The rewards of working at Glaxo Wellcome include an excellent salary, a flexible benefits package, and a beautiful headquarters campus with ultra-modern facilities. For confidential consideration, send your resume and salary history, indicating the position title, to: Human Resources, Job #ASC067001, Glaxo Wellcome, P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please) An Equal Opportunity Employer M/F/D/V

**Senior Scientist**

**SCIOS NOVA** is an established San Francisco Bay Area biopharmaceutical company engaged in the discovery, development, and commercialization of novel human therapeutics, focused chiefly on cardio-renal disease and inflammation targets.

This senior-level Scientist is sought to lead our new Research Protein Chemistry group. You will work closely with the Recombinant Expression group to design expression systems for production of protein reagents for multiple research project teams. You will provide protein purification and characterization for Research projects. You must be prepared with a Ph.D. and 4-8 years’ experience, including postdoctoral work. Extensive protein purification experience is desirable, particularly from recombinant sources.

Competitive salaries, excellent benefits package and a very dynamic work environment support these positions. Please respond to: Scios Nova, Human Resources/Job Code 96-001, 2450 Bayshore Parkway, Mountain View, CA 94043. Or FAX to 415/962-5966. EOE.
NEUROPHARMACOLOGIST

Neurogen Corporation is a dynamic pharmaceutical company in the field of neuroscience. Neurogen scientists are developing novel therapeutics for neurological and psychiatric disorders.

Neurogen is currently seeking a highly motivated person to fill a senior scientist position in the Pharmacology Department. This position requires a Ph.D. in Pharmacology, Neuroscience or related discipline with 2-3 years postdoctoral experience in receptor-based, cell-based and enzyme based assays. Knowledge in and experience with the pharmacology of second messenger pathways, ion channels and peptide receptors is desirable.

Neurogen is located in Branford, Connecticut, close to New Haven. We offer a comprehensive compensation program consisting of competitive salary, equity participation, 401K plan, health and medical programs as well as relocation assistance.

Qualified candidates are invited to send resumes with cover letter to Personnel Department, P.O. Box 859, Branford, CT 06405-0609

Neurogen Corporation
PLANT POPULATION BIOLOGIST

The Department of Botany, College of Natural Sciences, invites applicants for an ASSISTANT PROFESSOR, tenure track position to begin 1 August 1996 pending final approval. The department seeks an individual who will develop an outstanding research program on Hawaiian and/or alien species with possible specializations in species or population dynamics, population genetics, breeding systems, reproductive ecology, or plant/animal interactions. Primary teaching responsibilities will include an introductory course in the undergraduate Biology Program and in the area of his/her research specialization within the Botany Department. Minimum qualification is a Ph.D. in botany, an appropriate field of biological sciences, or its equivalent. Desirable qualifications include teaching experience, postdoctoral training, and field-oriented research in tropical terrestrial or marine ecosystems or conservation biology. Submit curriculum vitae, statements of teaching philosophy and research interests, reprints of up to three publications, and a list of three or more references including mail and email addresses and telephone numbers to: Chairperson, Department of Botany, 3190 Male Way, University at Mānoa, Honolulu, Hawaii 96822. Review of applications will begin after 29 February 1996. Inquiries may be made to botany@hawaii.edu or FAX: 808-956-3923. The University of Hawaii at Mānoa is an Affirmative Action/Equal Opportunity Employer. Women and members of Minority Groups are strongly encouraged to apply.

BIOLOGY TENURE-TRACK POSITION

An animal physiologist, with interest in endocrinology and/or neuroscience who could teach Human Anatomy and Physiology, Human Biology, Cell Genetics and possibly Comparative Animal Physiology. We would like a person eager to participate in student-faculty collaborative research in a liberal arts atmosphere marked by close working relationships among students and between students and faculty. Ph.D.s should send transcripts, curriculum vitae, three letters of reference to speak to teaching effectiveness, and a letter of application describing biology teaching experience and philosophy of teaching to Jerry Woolpys, Earlham College, Richmond, IN 47374. Apply before February 23, 1996. Earlham College is an Affirmative Action/Equal Opportunity Employer. We particularly encourage applications from women, racial minorities, and Quakers.

RESEARCH TRAINING FOR DENTAL GRADUATES

Positions are available in an NIH-supported advanced POSTDOCTORAL RESEARCH program at the University of Louisville School of Dentistry. Areas of research include Cell and Molecular Biology, Immunology, Endocrinology, Microbiology, and Biochemistry. Term of appointment: 2-3 years. Candidates should have a dental degree and postgraduate training or a demonstrated interest in research. U.S. citizenship or permanent residency required. Contact: Linda Mitchell, 301 School of Dentistry, 501 South Preston Street, Louisville, KY 40292. Telephone: 502-852-7507; FAX: 502-852-7240.

Biology: One-year SABBATICAL REPLACEMENT POSITION. Earlham College seeks a one year replacement to teach Ecology, Biological Diversity, and Entomology or Invertebrate Biology. Ph.D. or A.B.D. should send transcripts, curriculum vitae, three letters of reference that speak to teaching effectiveness, and a letter of application to Jerry Woolpys, Earlham College, Richmond, IN 47374. Apply before February 23, 1996. Earlham College is an Affirmative Action/Equal Opportunity Employer. We particularly encourage applications from women, minorities, and Quakers.

POSTDOCTORAL POSITION

We are interested in the function, structure, nucleolar localization, signals and processing of three intron-encoded small nuclear RNAs (PNA9 90-635 (1993); MCB 13:4382 (1993); PNA9 90-9001 (1993); BBA 1260:230 (1995); Genomics 30:400 (1995)). Send curriculum vitae and names of two references to: G. Elieirei, Pathology Department, St. Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis, MO 63104. FAX: 314-577-8489. Equal Opportunity Employer/Minorities/Females/Disabled/Veterans.

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With SCIENCE Global Career Network you can now reach even more qualified candidates faster. In addition to reaching over 163,000 subscribers worldwide in the print version of the SCIENCE classified advertising section, your recruitment ad receives automatic placement on SCIENCE Global Career Network on-line classified advertising.

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In the U.S.: Contact Janis Crowley
Phone: (212) 496-7704
Fax: (202) 682-0816
E-mail: science_classifieds@aaas.org

In Europe: Contact Debbie Cummings
Phone: (44) 01223 302-067
Fax: (44) 01223 576-208
E-mail: science@science-int.co.uk

SCIENCE COVERS THE WORLD
POSITIONS OPEN

PLANT PATHOLOGIST/VIROLOGIST
ASSISTANT OR ASSOCIATE SCIENTIST

The Department of Plant Pathology, Washington State University is accepting applications for an immediate position at the ASSISTANT or ASSOCIATE SCIENTIST level to begin fall of 1996. The position is 100 percent research, emphasizing identification, characterization, and control of plant pathogens. Particular emphasis will be on development and application of methods to detect, identify, and eliminate agents that cause virus-like diseases of fruit trees. Additionally, the individual selected will be expected to provide technical leadership and policy guidance (up to 20 percent time) to a program that develops and distributes flow-through diagnostic systems and industry representatives nationwide and will be responsible for obtaining a Departmental Permit from Animal and Plant Health Inspection Service (APHIS) that will allow continuation of this work. Minimum requirements are a Ph.D. in Plant Pathology/Virology with emphasis in the identification, characterization, and control of plant viruses, or virus-like agents, such as viroids or prions; demonstrated record of research, and publications in refereed journals in research area. Additional desirable qualifications include: experience with computerized data bases; writing, reading, and communication skills in supervision and administration of virus testing and certification programs, interacting with industry groups, and ability to obtain grants and to participate in departmental activities including supervising graduate students. Initial screening begins March 1, 1996. Send letters of application, curriculum vitae, and names and addresses of three references to: Dr. Gaylord Mink, Plant Pathology/Virology Search Committee, University of Washington, Box 271, 20625 Rummel Road, WA 98930-9657. Telephone: 509-786-9250; Email: gmink@beta.tricity.wsu.edu. Equal Opportunity/Affirmative Action Employer.

PROGRAM DIRECTOR/COORDINATOR

Applications are invited for the position of PROGRAM DIRECTOR/COORDINATOR in the Women and Science Program and Coordinator of the University of Wisconsin Oshkosh Science Outreach Program. Each is a half-time position. The appointment may be either at a senior level with the academic title of associate professor, or at an assistant level without the academic title. Qualifications: Ph.D. in mathematics or a science; college teaching experience; expertise in gender, race and ethnicity issues in science required. Success in obtaining extramural grants in science education; outreach and/or administrative experience preferred. Responsibilities: coordination and implementation of programs; proposal writing; and communication and interaction with faculty, staff and administrators at the University of Wisconsin Oshkosh, at other University of Wisconsin System campuses, and in the school district. Send letter of application, resume, three current letters of recommendation and transcripts to: Michael Zimmerman, Dean, College of Arts and Sciences, University of Wisconsin Oshkosh, W94901. For more information call Telephone: 414-242-1210; Email: mz@vaxx.cis.uwosh.edu. Closing date: March 29, 1996. The University of Wisconsin Oshkosh is an Affirmative Action/Equal Opportunity Employer.

ENVIRONMENTAL SCIENTIST

The Department of Biology and Environmental Science at The University of New Haven seeks candidates for a tenure-track ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR level faculty appointment. Candidates are expected to have expertise in either a) freshwater or coastal wetlands ecology with a focus on biogeochemical processes or b) ecotoxicology. Preference will be given to candidates who have experience in applied environmental problem solving at multiple scales, and geographical information systems. Duties will include teaching both graduate and undergraduate courses in ecology and specialist and undergraduate introductory biology, and to develop a research program that can interface with those of other faculty and support university core initiatives. There are also intersections with programs in environmental engineering, chemistry, education and occupational health and safety. Applicants should submit a statement of teaching philosophy, curriculum vitae, a summary of experience and philosophy, a summary of current and anticipated research activity, and the names and telephone numbers of at least three references. Letters of reference should be received by February 19, 1996. To: Search Committee, Department of Biology and Environmental Science, University of New Haven, 300 Orange Avenue, West Haven, CT 06516.

THE UNIVERSITY OF CHICAGO/RADIATION AND CELLULAR ONCOLOGY invites applications for a SENIOR LEVEL (profe- sor) position. As part of a unique, internationally recognized expert in radio-protection research and aminothiol mediated chemoprevention with significant skills in tumor biology and cell separation systems (Ph.D. and/or M.D.) to expand our ongoing pro- gram in chemoprevention related to radiation oncology. Successful candidate must possess strong and integrated expertise in prostate cancer and have experience in cell and molecular and cellular mechanisms underlying the antiangiogenic properties of aminothiols, and murine models of transplanted and chemoperaturized carcinomas. Candidate's professional interests and achievements should be com- plementary to the Department's existing programs in ra- diation biology, molecular biology, gene therapy, and chemotherapy. Experience in teaching objective courses in radiation biology for radiation therapy resi- dents and medical students is expected. The successful candidate will have a rigorous research program support- ed by extramural funding. Candidates should submit a curriculum vitae, statements of research and teaching inten- tions, up to three references, and three letters of reference to: University of Chicago, Radiation and Cellular On- cology Search Committee, 5841 South Maryland Avenue, MC0085, Chicago, IL 60637. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

BIOORGANIC OR BIOINORGANIC CHEMISTRY
University of California, Santa Cruz

The Department of Chemistry and Biochemistry in- vites applications for a JUNIOR FACULTY POSI- TION beginning fall of 1996. Salary commensurate with qualifications. Ph.D. is required. A candidate must have a Ph.D. or equivalent in Chemistry or related field, a com- mitment to teaching at both the undergraduate and graduate levels, and outstanding potential for an independent research program in bioorganic or bioinorganic chemistry. Preference will be given to candidates whose research interests complement the programs of our faculty. Applicants should submit a brief description of research and teaching interests, and arrange to have three confidential letters of recommendation sent to: Dr. Philip A. Muller, Co-Director of the Calit2 Institute, University of California, Santa Cruz, CA 95064. Refer to position number 508 in all correspond- ence. UCSC is an Equal Opportunity/Affirmative Action Em- ployer. We especially welcome applications from qualified women and minority candidates. Closing date for the receipt of completed applications is March 29, 1996.

CENTER DIRECTOR AND FULL PROFES- SOR, University of Florida, Institute of Agri- cultural and Natural Resources (IFAS), Education Centers (CREC), Lake Alfred, Florida. A Ph.D. in an agricultural or related science with administrative experience and demonstrated leadership in research or extension programs is required. The CREC Director coordinates facilities at both state and national levels. Women and minorities are encouraged to apply. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

Two Postdoctoral Positions available immediately. One position would involve the structure-function and pathology of phospholipid-constitutive active α, adrenergic receptors through mutagenesis and transgen- esis. The other position involves the generation of transgenic mice to components of the plasminogen activator gene in order to study structural requirements for functional in- tegropeptides and to identify similar molecules in human and murine biological, and transgenic/animal physiology is desirable. Applicants should send a current curriculum vitae and a list of three references to: Dr. Mary J. Murphy, Ph.D., Mail Code 0145, University of Florida/IFAS, 1 Food Science and Human Nutrition, P.O. Box 1103, Gainesville, FL 32611. Fax: 352-392-1090. E-mail: murphy@ufl.edu. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

Basic Science Molecular Molecular Division
Division of Liver and Pancreas Transplantation
University of California, Los Angeles

Applications are invited for a tenure-track basic science faculty position at the ASSISTANT PROFESSOR level in the Division of Liver and Pancreas Transplantation, Department of Surgery, UCLA. A Ph.D. with broad training in molecular and cell biology and research ability in the areas of molecular and trans- plantation immunobiology, liver directed gene therapy and/or regulation of liver growth. The successful candi- date will be expected to establish an independent research program and to participate in teaching graduate and/or medical students and to be expected to provide technical leadership and policy guidance (up to 20 percent time) to a program that develops and distributes flow-through diagnostic systems and industry representatives nationwide. Teaching responsibilities will be limited. An attractive salary, benefit start-up package and fully equipped laboratory suite have been reserved for this recruitment. LOE: and three letters of recommendation to: James S. Economou, M.D., Ph.D., Transplant Scientist Search Com- mittee, The Dunton—UCLA Transplant Center, 10833 Le Conte Avenue, Room 77-132 Center for the Health Sciences, Los Angeles, CA 90095-6904.

NEW POSITION-EXECUTIVE DIRECTOR
Risk Sciences and Public Policy Institute
School of Hygiene and Public Health johns Hopkins University

Immediate faculty opening for EXECUTIVE DI- RECTOR at the Risk Sciences and Public Policy Institute, Johns Hopkins University. The Executive Director will initiate and manage activities of this school-wide program with components in education, research and consultation. She or he will coordinate a multidisciplinary faculty with the ability to develop and direct undergraduate and graduate programs; coordinate classes, seminars, symposia; and identify funding opportunities. The Executive Director will initiate and coordinate a Faculty and tenure status commensurate with qualifications. Qualifications: A doctorate in relevant area of science or public policy, minimum five years experience related to risk assessment, excellent (written and oral) communica- tion skills and a strong publication record. Preference exists in policy-related positions and fund-raising. Applicants should send a current vita plus names and ad- dresses of three references to: Jonathan M. Sarnet, M.D., M.S. Thomas A. Burke, Ph.D., M.P.H. Co-Directors, Risk Sciences and Public Policy Institute 615 North Wolfe Street, Room 6039 Baltimore, MD 21205.

Johns Hopkins University is an Affirmative Action/Equal Oppo- portunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE
Neural and Molecular Connectome Research, with large experience in sectioning techniques, human thalamic anatomy or neuro- rology would be useful. Excellent salary and benefits for qualified applicant, must be U.S. citizen/resident. Send resume and 3 reference phone numbers to: Keith A. Young, Ph.D., Neuroscience Lab (11s), Waco VAMC, 4800 Memorial Drive, Waco, TX 76711. Email: keith@empire.va.gov. Fax: 254-330-9687. E-mail: mskene@waco.va.gov. University of Texas Health Science Center, Dallas.

POSTDOCTORAL FELLOWSHIP in Cell Biology/Immunology available immediately for work on mur- row cells and cytokines in genetic studies of mice dealing with cytotoxic T lymphocytes and autoimmunity. Ph.D. required and position involves interactions with a large, multidisciplinary lab of Ph.D.’s and M.D.’s performing osteorosors-related research. Salary and benefits are highly competitive. Apply to: Ms. C. Farrell, Pettis VA Medi- cal Center (151), 11201 Benton Street, Loma Linda, CA 92357.
POSITIONS OPEN

POSTDOCTORAL POSITION is available immediately to study a recently discovered growth factor action, rapid activation of the hoxoe monophosphate shunt by a novel activation mechanism of glucose d-phosphodehydrogenase. Candidate should have a Ph.D. or M.D. with a background in protein biochemistry, cell biology, and molecular biology. Send curriculum vitae, cover letter, and three references to: Robert C. Stanton, M.D., Chief, Renal Division, Deaconess Hospital and Jolin Diabetes Center, Harvard Medical School, 99 Brookline Avenue, Boston, MA 02128. FAX: 617-632-1861.

POSTDOCTORAL POSITION in Cardiac Muscle Physiology. The section of Cardiology at the Bowman Gray School of Medicine is seeking candidates to study cellular mechanisms of Heart Failure. Candidates require a M.D. or Ph.D. Send curriculum vitae, and three letters of reference to: Dr. Peter de Tombe, Cardiology, Bowman Gray School of Medicine, Medical Center Boulevard, Winston-Salem, NC 27157-1045. Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL POSITION is available immediately to study the genetic expression of anesthetic agents and calcium channel changes that occur with heart failure. Previous experience with muscle preparations, particularly heart papillary or trabecular preparations, is strongly desired. Familiarity with techniques and experimental design in the study of experimental models of Heart Failure and measurement of force and calcium responsiveness on single isolated cardiac myocytes. Send current curriculum vitae and three letters of reference to: Dr. Noel Cover, and M.D., Gray Experimental Biology, Bowman Gray School of Medicine, Winston-Salem, NC 27157-1045. FAX: 617-632-1861.

POSTDOCTORAL POSITION available now for the study of hypoexpression of gene expression. Background in molecular biology or signal transduction preferred. Applicants should send curriculum vitae and two letters of reference to: Dr. Jaime Cardeza Foundation, Thomas Jefferson University, 1015 Walnut Street, Philadelphia, PA 19107. FAX: 215-923-3836.

Children's Hospital Los Angeles POSTDOCTORAL POSITION available immediately to work on an NIH-funded project focusing on the biological mechanisms of cell motility. Studies concentrate upon the relation of focal changes in cytoskeleton and signaling to shape change and motion in human neutrophils and other cells. Digital imaging, fluorescence microscopy, flow cytometry, and biochemical techniques are employed. Experience with actin chemistry, cell culture, signal transduction as well as good working knowledge of cell biology desirable. Send curriculum vitae and names of three references to: Dr. Thomas Coates, MS Number 34 Division of Hematology/Oncology, Children's Hospital, 4650 Sunset Boulevard, Los Angeles, CA 90027. FAX: 213-660-9321. Email: tom@hem onc.usc.edu. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study regulation of GABA and NMDA receptors in mammalian neurons. Applicants should have background in cell culture, molecular biology, electrophysiology, and/or receptor ligand interactions. Send resumes and names of references to: Dr. Maharaj K. Ticku, Department of Pharmacology, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7764. Email: ticku@uthscsa.edu. UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.

JUNIOR FELLOW IN EXPERIMENTAL NEUROSCIENCE Senior POSTDOCTORAL POSITION available to study aspects of developmental neurobiology using molecular, cellular, and genetic animal systems. Candidates should have a background in molecular or cellular approaches to nervous system development. Experience with transgenic technology and/or neuronal functionality is useful. Send curriculum vitae and the names of three references to: Dr. W. Einar Gall, Research Director, The Neurosciences Institute, 10640 Via John Jay Hopkins Drive, San Diego, California 92121.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIPS in MOLECULAR AND CELLULAR ASPECTS OF REPRODUCTION AND DEVELOPMENT are available at The University of Kansas Medical Center, Department of Pharmacology and Experimental Therapeutics. Faculty and research topics include: Glenn Andrews—gene expression in reproductive tract; Lydia Arbogast—tyrosine hydroxylase regulation; Sudhansu Dey—embryo development and implantation; George Enders—spermatogenesis; Robert Evan—Hunt—immunology of pregnancy; Girish Shah—protein gene regulation; Michael Soares—trophoblast differentiation and cell signaling; Paul Terranova—cytokines and ovarian cell function; James Voigt—protein control; Michael Wolfe—regulation of gonadotropin gene expression. Support is provided by an NIH Training Grant and other sources. Send a letter indicating research interest and preceptor choice(s), curriculum vitae and three letters of recommendation to: Dr. S. K. Day, Department of Pharmacology, Kansas University Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160. SDEY@KUMED.EDU. Minority and women are encouraged to apply.

RENSSELAER POLYTECHNIC INSTITUTE

POSTDOCTORAL POSITION in Solid State Physics

Troy, New York 12180-3590

A POSTDOCTORAL POSITION in the Department of Physics, Applied Physics, and Astronomy is available for a period of up to three years. The work is in the area of theories and studies of solid state; candidates are expected to conduct a study of new semiconductor compounds for thermoelectric refrigerators and generator applications. A combination of interests in inorganic chemistry and semiconductors is required. An understanding of electrical and thermal transport properties of solids is desired. Expected start date is early 1996. Applications should be addressed to Dr. Troy, Solid State Postdoctoral Position, Department of Physics, Applied Physics, and Astronomy, Rensselaer Polytechnic Institute, Troy, NY 12180-3590. Send curriculum vitae and a list of three professional references. Rensselaer Polytechnic is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

POSTDOCTORAL POSITION

NIH-supported postdoctoral position available immediately to study the regulation of glycosylphosphatidylinositol biosynthesis in mammalian cells. The proposed studies will involve protein purification, the expression of recombinant plasmid clones, and the development of an antibody to the lipid and protein membrane fusion assays. Previous experience in one or more of these areas is highly desirable. Applicants should send a curriculum vitae and the names and addresses of three references to: Dr. Thomas Coates, MS Number 34 Division of Hematology/Oncology, Children’s Hospital, 4650 Sunset Boulevard, Los Angeles, CA 90027. FAX: 213-660-9321. Email: tom@hem onc.usc.edu. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL TRAINING PROGRAM

RHEUMATOLOGY/IMMUNOLOGY DIVISION

Children’s Hospital Medical Center


POSTDOCTORAL POSITION available to study gene regulation and molecular pathogenesis of the Epstein-Barr virus. Experience in molecular biology required. Send curriculum vitae and names of references to: Dr. Jonathan D. Gill, Department of Pediatrics, Washington University School of Medicine, St. Louis Children’s Hospital, 1 Children’s Place, St. Louis, MO 63110. Email: Gill@EMRY.WUSTL.EDU. Washington University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW RESEARCH ASSOCIATE

Two POSTDOCTORAL/RESEARCH ASSOCIATE positions are available. One suitable for a two years (renewable), to study genes specifically expressed in peripheral myocytes during the development of the extracellular tissue and genomic imprinting. Candidates should have broad, in-depth experiences in techniques of molecular biology, and microscope genetics. Basic research and embryology are also desirable. Annual salary will be $24,000 to $28,000 for a recent Ph.D. and $35,000 for an experienced postdoctoral fellow. In addition, a generous package of fringe benefits, such as full health insurance coverage, will be provided. Send curriculum vitae and names of three references to: Dr. Minora S. H. Ko, Center for Molecular Medicine and Genetics, Wayne State University School of Medicine, 5047 Gullen Mall, Detroit, MI 48202, USA. Wayne State University is an Equal Opportunity/Affirmative Action Employer. All WSU buildings and structures are Smoke Free.

POSTDOCTORAL FELLOWSHIPS

Genetic Epidemiology and Molecular Genetics POSTDOCTORAL FELLOWSHIPS in Genetic Epidemiology and Molecular Genetics are available in the Department of Psychiatry at Washington University, St. Louis, Missouri. M.D. or Ph.D. candidates may have degrees in Genetics, Molecular Biology, Bio-statistics, Mathematics, Psychology or Psychiatry. Participation in research groups conducting family and/or molecular studies of Bipolar Disorder, Unipolar Disorder, Schizophrenia, Attention Deficit Disorder, and Alzheimer's Disease accompany a strong didactic program. Methodological linkage and association projects are also in progress. This is an NIH Institutional Postdoctoral Fellowship Grant to the National Institute of Mental Health, the National Institute on Aging, and the National Institute on Drug Abuse. Please send a letter of application including research interests, transcripts, a copy of your curriculum vitae and the names of three references to: Theodore Reich, M.D., Washington University School of Medicine, Department of Psychiatry, 4940 Children's Place, St. Louis, MO 63110. Washington University is an Equal Opportunity/Affirmative Action Employer.

POPULATION/COMMUNITY ECOLOGIST

POSTDOCTORAL RESEARCH ASSOCIATE position to investigate the life-history factors regulating plant population and forest community patterns in relation to land-use and natural disturbance. The position will involve designing analyses and field studies to explain well-documented patterns of plant distribution associated with human and natural disturbance. The researcher should complement our strengths in forest and community ecology, conservation biology, and plant ecology, should have strong quantitative skills, and be interested in working in an interdisciplinary setting. Please send curriculum vitae, description of research interests, supporting materials, and three letters of recommendation to: Dr. David R. Foster, Harvard Forest, P.O. Box 68, Petersham, MA 01366 by March 1, 1996. Harvard University is an Equal Opportunity Employer. Applications from women and minorities are strongly encouraged.

POSTDOCTORAL POSITION

Washington University School of Medicine

Available to study the molecular and genetic mechanisms that underlie malformations and syndromes of mental retardation. Possible areas of research include: analysis of glutamine synthetase (Glna) and the glutamine metabolic pathway; analysis of the Glna precursor amino acid, glutamate; and the interaction of these pathways, Glna, glutamate, and the glutamine metabolic pathway with other metabolic pathways. Send curriculum vitae and names of three references to: Dr. Jonathan D. Gill, Department of Pediatrics, Washington University School of Medicine, St. Louis Children’s Hospital, 1 Children’s Place, St. Louis, MO 63110. Email: Gill@EMRY.WUSTL.EDU. Washington University is an Affirmative Action/Equal Opportunity Employer.
TENURE-TRACK FACULTY

The University of Rhode Island invites qualified persons to apply for a tenure-track faculty position in air/sea-exchange chemistry. The position will be available from July 1, 1996. We expect to make an appointment at the Assistant Professor level, but outstanding applicants at the Associate level may be considered also. The University of Rhode Island will provide eight months per year of salary support with the balance to be funded by the person’s research projects.

A Ph.D. will be required by the time of hire. The applicant must demonstrate the potential to establish a research program leading to fundamental contributions in the field and eventually to intellectual leadership at the national and international levels; to advise graduate students; and to teach graduate courses in marine and atmospheric chemistry. For the rank of Associate Professor the applicant must also demonstrate a strong record of independent research and publication with national or international recognition. The area of expertise includes but is not limited to air/sea exchange of gases or particles. Preference may be given to applicants who can complement existing programs at the Graduate School of Oceanography and to applicants who can work in a multi-disciplinary environment, in areas such as marine and atmospheric chemistry, physical oceanography, biological oceanography, and climatology.

Send curriculum vitae, the names of four references, and a summary of research interests to Professor J. Merrill, Search Committee Chair, Marine and Atmospheric Chemist (Log #091186), University of Rhode Island, PO Box G, Kingston, RI 02881. The position will remain open until filled. The committee will begin review of applications on 3/1/96. The University of Rhode Island is an Affirmative Action/Equal Opportunity Employer; women and minorities are encouraged to apply.

UNIVERSITY OF RHODE ISLAND

GLOBAL CAREER OPPORTUNITIES

MRC

MEDICAL RESEARCH COUNCIL
Laboratory of Molecular Biology

TENURE-TRACK POSITIONS IN MOLECULAR BIOLOGY

The Protein and Nucleic Acid Chemistry Division invites applications from scientists to develop an independent programme of research.

Successful applicants will join the present Divisional Staff of about 60 scientists, visitors and graduate students working on problems relating to molecular immunology and cancer biology, molecular haematopoiesis, selection technologies and gene therapy, molecular bioenergetics, transcription and retrovirology. Applications to work in these or related areas would be considered. An excellent range of shared biochemical and cell culture facilities, instrumentation, computing and workshops is available.

Salary will be at an appropriate point on the MRC non-clinical scientific scale (equivalent to the University Academic scale), ranging from £14,317 to £22,450 for an initial period of 3-5 years, during or after which time suitable candidates would be considered for tenure.

Applications including CV, a brief research proposal and the names and addresses of four professional referees should be sent by February 1996, quoting reference PNAAC/TTW/R to:

Shelley Jenkins
Personnel Officer
MRC Centre
Hills Road
Cambridge
CB2 2QH
United Kingdom

The Medical Research Council is an Equal Opportunities Employer.

FACULTY POSITION

Applications are being accepted by the Department of Biomedical Engineering, Duke University, for a tenure track faculty position. Preference will be given to candidates having a Ph.D. or equivalent in materials, mechanical, chemical or biomedical engineering and research interests in one or more of the following areas: biofluid and cellular mechanics, biological transport phenomena, and drug delivery. The position is intended primarily as an entry level appointment, but applications from more senior investigators will be considered. In addition to maintaining a vigorous research program, new faculty will be expected to participate in graduate and undergraduate instruction in one or more of the following areas: surface and interfacial phenomena, biomaterials, drug delivery, tissue/cellular engineering, chemical thermodynamics, and transport in biological systems. A curriculum vitae including a list of publications, current research funding, teaching interests, and a description of research activities should be sent to: David F. Katz, Chair, Search Committee, Box 90281, Department of Biomedical Engineering, Duke University, Durham, NC 27708-0281.

Duke University

Duke University is an Equal Opportunity/Affirmative Action Employer.

MEETINGS

Current Topics in Gene Expression Systems

1996 Pichia pastoris

March 3-6, 1996

Catamaran Resort Hotel, San Diego, California

The 1996 Current Topics in Gene Expression Systems meeting will be a three-day event. The meeting will focus on recombinant protein expression in the yeast, *Pichia pastoris* and will cover a variety of topics including:

- *Pichia pastoris* cell biology
- Posttranslational modifications/processing of proteins expressed in *Pichia pastoris*
- Optimization of expression
- Scale-up and fermentation
- Commercialization and industrial applications
- New developments in *Pichia pastoris* expression technology

Registration fee is $245 for Nonprofit, Academic, and Government employees; $295 for employees of for profit corporations. The registration fee includes continental breakfast, lunch, and refreshments during the three meeting days. Registration deadline is February 9, 1996.

Call for papers: The 1996 Current Topics in Gene Expression Systems meeting provides an opportunity for scientists to present their work in an oral or poster presentation. Please contact Karen Vespe for information on abstract submission.

For more information on the meeting contact Karen Vespe at Invitrogen Corporation. Phone: 619-597-6277, Fax: 619-597-6201, e-mail: kvespe@invitrogen.com.

This meeting is cosponsored by Invitrogen Corporation and Research Corporation Technologies.
positions open

POSTDOCTORAL POSITIONS
MICROBIAL METABOLIC ENGINEERING
Department of Microbiology and Cell Science
University of Florida

Applications are invited for two POSTDOCTORAL POSITIONS (two-year term) which are available immediately for talented individuals with experience in microbial genetics and microbiology. Research focuses on the development of novel biosensors for the conversion of lignocellulose and other residues into bulk chemicals such as fuel ethanol. Current studies involve sugar transport systems, gene regulation, ethanol tolerance, batch/continuous culture, and the development of bioconversion processes. Funding for these positions is provided by a combination of federal grants (USDA and DOE). Positions require a Ph.D. in microbiology or a related field. A curriculum vitae, statement of experience, and the names of three individuals who can be contacted as references to: L. O. Ingram, Head of Microbiology and Cell Science, P.O. Box 110700, University of Florida, Gainesville, FL 32611. FAX: 904-392-5922.

STOCKHOLM UNIVERSITY
Department of Clinical Sciences
Department of Medical and Health Sciences

One of three positions is available for a POSTDOCTORAL POSITION in Clinical Molecular Genetics. The successful candidate will be expected to conduct research on the genetic basis of common diseases. In addition to work within the candidate’s own research group, the candidate is expected to work closely with other clinicians and scientists at Stockholm University and the Karolinska Institute. The start date is negotiable. Further details can be obtained from: Professor Bertil Hugosson, Department of Medical and Health Sciences, Stockholm University, SE-106 98 Stockholm, Sweden. Tel: +46-8-524-73582. Email: bertil.hugosson@med.ki.se

positions open

POSTDOCTORAL POSITIONS
STATISTICAL RESEARCH ASSOCIATE

Plans data collection, collects data from experiments and studies (including multiple large-scale studies) in environmental epidemiology, and analyzes and interprets data. Requires strong understanding of discrete and spatially indexed data and GIS programming for ARC/INFO and MAPINFO, to provide information for epidemiological research. Applies analysis of disease clusters, with attention to identifying general patterns of disease. Requires familiarity with molecular epidemiology, cell biology, and immunology to interpret environmental epidemiological data and presents data by computer readouts, graphs, charts, written reports or other methods. Manages highly complex and large data sets in UNIX, X-Windows, and DOS using a variety of statistical tools (including S-PLUS and SAS). Describes sources of information, and limitations on reliability and usability. Analyzes statistics to identify differences in relationships among sources of information. Prepares manuscripts and grant proposals. Requires Ph.D. in Mathematics, Statistics or Computer Science and at least two years of experience in applied statistics with applications in molecular biology and immunology. Training and experience must include the job duties described above. $26,948 per year. 40 hours per week. Submit two copies of resume and evidence of U.S. citizenship or legal authorization to work in the U.S. to: Dr. Raymond F. Novak, Department of Environmental Science, University of North Carolina at Chapel Hill, CB 7227, Second Avenue, Room 4000, Dept. of Environmental Health Sciences, University of North Carolina, Chapel Hill, NC 27599-7227. Applicants are encouraged to submit a letter of interest and a description of their research experience to the above address.

A POSTDOCTORAL RESEARCH ASSOCIATE position is available to study mechanisms of chemical-induced alterations in glutathione S-transferase and cytochrome P450 gene expression in extrapulmonary tissues. Applicants must have a Ph.D. in cell biology. A curriculum vitae and three reference letters should be sent to: Dr. Raymond F. Novak, Department of Environmental Health Sciences, University of North Carolina at Chapel Hill, CB 7227, Second Avenue, Room 4000, Dept. of Environmental Health Sciences, University of North Carolina, Chapel Hill, NC 27599-7227. Applicants are encouraged to submit a letter of interest and a description of their research experience to the above address.

positions open

POSTDOCTORAL POSITION
CANCER GENETICS/BIOLOGY
University of California, San Francisco

Applications are invited for a POSTDOCTORAL FELLOWSHIP in a multidisciplinary research program directed toward an understanding of the mechanisms of carcinogenesis, tumor progression and tumor therapy. Research projects include the study of mechanisms of genomic instability, mechanisms of telomere maintenance, and gene expression in damaged, apoptotic, cloning and analysis of oncogenes and suppressor genes, and quantitative and molecular cytogenetics. Interested individuals should send a curriculum vitae, graduate transcripts, research interests, and three letters of recommendation to: Dr. William C. Dewey, Radiation Oncology Research Laboratory, University of California, 4501 Science Center Building 380, 1855 Folsom Street, San Francisco, CA 94103-0806. Telephone: 415-476-9062; Email: Dewey@dmcc.ucsf.edu. Applicants must be a U.S. citizen or permanent resident. An Equal Opportunity Employee.

positions open

POSTDOCTORAL POSITIONS
BIOTECHNOLOGY

A research group is seeking a POSTDOCTORAL FELLOWSHIP in the area of biotechnology. The research focuses on the development of microbial systems for the production of industrial enzymes. Experience in molecular biology, fermentation, and analytical techniques is required. Applicants should send a curriculum vitae, a letter of intent, and three letters of recommendation to: Dr. Randy Fuller, Chair, Biology Department, Colgate University, Hamilton, NY 13366-1398. Women and minorities are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

positions open

BIOLOGICAL SCIENCES

Postdoctoral Research Associate

Applications are invited for a Postdoctoral Research Associate to work on the development of new tools for the investigation of the mechanisms of gene expression and regulation in humans. The work will involve the use of various bioinformatics tools, including web-based tools, to analyze data from microarray experiments. The successful candidate will be responsible for the design and implementation of computational methods to analyze data from microarray experiments. Applicants should have a Ph.D. in Bioinformatics, Computer Science, or a related field. Experience in the use of computational tools for the analysis of biological data is essential. The position is available immediately and will remain open until filled. Applications should be submitted to: Dr. John Doe, Department of Biological Sciences, University of Illinois, 1111 University Ave., Urbana, IL 61801. Email: johndoe@uiuc.edu

positions open

BIOLOGY/ENGINEERING

A research group is seeking a POSTDOCTORAL FELLOWSHIP in the field of biological engineering. The research focuses on the development of novel systems for the production of industrial enzymes. Experience in molecular biology, fermentation, and analytical techniques is required. Applicants should send a curriculum vitae, a letter of intent, and three letters of recommendation to: Dr. Randy Fuller, Chair, Biology Department, Colgate University, Hamilton, NY 13366-1398. Women and minorities are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

positions open

BIOLOGY/ECOLOGY

A research group is seeking a POSTDOCTORAL FELLOWSHIP in the field of biology/ ecology. The research focuses on the development of novel systems for the production of industrial enzymes. Experience in molecular biology, fermentation, and analytical techniques is required. Applicants should send a curriculum vitae, a letter of intent, and three letters of recommendation to: Dr. Randy Fuller, Chair, Biology Department, Colgate University, Hamilton, NY 13366-1398. Women and minorities are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

positions open

BIOLOGY/PHYSIOLOGY

A research group is seeking a POSTDOCTORAL FELLOWSHIP in the field of biology/physiology. The research focuses on the development of novel systems for the production of industrial enzymes. Experience in molecular biology, fermentation, and analytical techniques is required. Applicants should send a curriculum vitae, a letter of intent, and three letters of recommendation to: Dr. Randy Fuller, Chair, Biology Department, Colgate University, Hamilton, NY 13366-1398. Women and minorities are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

positions open

BIOLOGY/TECHNOLOGY

A research group is seeking a POSTDOCTORAL FELLOWSHIP in the field of biology/technology. The research focuses on the development of novel systems for the production of industrial enzymes. Experience in molecular biology, fermentation, and analytical techniques is required. Applicants should send a curriculum vitae, a letter of intent, and three letters of recommendation to: Dr. Randy Fuller, Chair, Biology Department, Colgate University, Hamilton, NY 13366-1398. Women and minorities are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

positions open

BIOLOGY/PHARMACOLOGY

A research group is seeking a POSTDOCTORAL FELLOWSHIP in the field of biology/pharmacology. The research focuses on the development of novel systems for the production of industrial enzymes. Experience in molecular biology, fermentation, and analytical techniques is required. Applicants should send a curriculum vitae, a letter of intent, and three letters of recommendation to: Dr. Randy Fuller, Chair, Biology Department, Colgate University, Hamilton, NY 13366-1398. Women and minorities are encouraged to apply. Colgate University is an Equal Opportunity/Affirmative Action Employer.

courses & training

BIOLOGY OF DISEASE VECTORS COURSE

take advantage of the world-renowned faculty at Fort Collins, Colorado, USA

16 June to 28 June 1996

The course provides a broad perspective of vector biology and emphasizes modern molecular and quantitative techniques. Subjects covered include: vector population biology, molecular systematics, genetic manipulation, blood-feeding, behaviour and population biology. The course is designed primarily for advanced students (M.S., Ph.D.), postdoctoral fellows and faculty. Enrollment is limited to 30 students. Financial aid may be provided based on need. For application forms and further information contact: Dr. Sue Higgs, Artemis Vector Diseases Laboratory, Foot Hills Campus, Colorado State University, Fort Collins, CO 80523-1682, USA. Telephone: 970-491-8323; Email: shiggs@vines.colostate.edu. Colorado State University is an Equal Opportunity/Affirmative Action institution and complies with all federal, state, local laws, regulations, and executive orders regarding affirmative action requirements in all programs.

master of science biological sciences

We offer a two-year, research intensive program in cell and molecular biology, microbiology, and cellular and systems physiology. The program includes a stipend of $11,000 for eleven months per year plus full tuition remission. Department of Biological Sciences, Duquesne University, Pittsburgh, PA 15282, Telephone: 412-396-6382, Biology Office 103, duq303@pitt.edu. http://nexus.chemistry.duq.edu/snes/biology/index.html.

positions open

BIOLOGICAL SCIENCES

We offer a two-year, research intensive program in cell and molecular biology, microbiology, and cellular and systems physiology. The program includes a stipend of $11,000 for eleven months per year plus full tuition remission. Department of Biological Sciences, Duquesne University, Pittsburgh, PA 15282, Telephone: 412-396-6382, Biology Office 103, duq303@pitt.edu. http://nexus.chemistry.duq.edu/snes/biology/index.html.
BIOLOGY

*Electrophysiology*
Ph.D. Electrophysiologists at ICAgen lead our biology team using biophysical, molecular and computational approaches in the study of ion channel modulation. Successful candidates must be experienced in a wide range of electrophysiological methods.

*Molecular Biology*
Ph.D. As a scientist in this group, you will take a leading role in exploring ion channel subtypes involved in disease. You must have experience in cloning, expression, mutagenesis and tissue distribution studies.

*Cell Biology/Pharmacology*
Two Positions - Ph.D. and MS/BS. You will be involved in all phases of ion channel drug discovery, including the development and completion of high-throughput screening assays. Experience in assay development is required.

CHEMISTRY

*Organic Chemistry*
Three Positions - Ph.D. ICAgen is recruiting a core team of chemists to initiate its organic synthesis group. It is essential that you have experience in medicinal chemistry, molecular simulation methods or diversity/combinatorial chemistry techniques. At least one position will be filled by a candidate with at least 3-5 years of industry experience.

Ph.D. Candidates must have 2-5 years of postgraduate experience. Chemists with direct experience in the research of ion channels are preferred. Chemists with experience in heterocyclic chemistry will receive priority.

Resumes with references clearly stating the specific position applied for should be sent to:
ICAgen, Inc. Human Resources. P.O. Box 14487, RTP, NC 27709
An Equal Opportunity Employer

IMMUNOLOGIST/MICROBIOLOGIST

Merck Research Laboratories in West Point, Pennsylvania, a world leader in biological and pharmaceutical research, is looking for a skilled immunologist/microbiologist for basic research and development work on bacterial vaccines.

A successful candidate must have sound training in the immunology of bacterial infections and immunochemistry. This position requires experience in the development of immunoassays (RIA/ELISA) and opsonin assays in humans and laboratory animals, maintenance of bacterial strains, immunization and sample collection from laboratory animals, cell and tissue culture. Experience working in a GLP setting and excellent interpersonal skills would be an advantage.

A Ph.D. in Immunology or Microbiology with relevant postdoctoral experience or M.S. in Microbiology, Immunology, or equivalent with 5+ years relevant experience is required.

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 to: Personnel Manager, Ad #8-44, MRL Human Resources, WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. EEO/AA/V/Employer.

DIRECTOR - ARGONNE NATIONAL LABORATORY

Argonne National Laboratory is owned by the U.S. Department of Energy and operated by The University of Chicago. It is one of the nine “multi-program” national laboratories. It has an annual research budget of nearly $500 million and approximately 5,000 employees. Approximately one-third of the employees are scientists or engineers.

The director of Argonne National Laboratory reports to a board of governors and is an ex-officio member of the board.

The director of Argonne functions as its principal executive and works with the board of governors, the Department of Energy, and the senior managers of the laboratory to create a strategy, this includes selecting R&D programs and establishing budget priorities. The director plays a key role in assembling the resources, both public and private, to carry on and support the laboratory.

The new director must nurture cooperative arrangements among industry, the national laboratories and universities. The director also must develop effective working relationships with the Department of Energy, other federal agencies and the Congress.

The position affords the new director a strong voice in the shaping of national policy on science and technology.

Candidates may come from universities, government, national laboratories or industry. Irrespective, the ideal candidate has had a management role in a research and development organization with a diverse mission.

The new director must have credentials of scholarship and visibility in some field representative of the core activities of Argonne; the director may be appointed to the faculty of The University of Chicago.

The search committee will begin reviewing applications and nominations in early February. Argonne is an equal opportunity/affirmative action employer.

Please send all applications, nominations and referrals to:

Mr. Arthur M. Sussman
Vice President for Argonne National Laboratory
The University of Chicago
9700 South Cass Avenue
Argonne, Illinois 60439-4832
Faculty Position in Molecular Pathology

Tenure-track faculty positions are available in the Department of Pathology for highly qualified individuals possessing either the MD or PhD degree. The individual(s) selected should be trained in either cell biology or molecular biology and have a strong record of publication as well as the potential of developing an outstanding, independent research program. Research experience in molecular atherosclerosis, microbicidal pathogenesis, or human genetics is desired. These positions will be available in the summer or late spring of 1996. An attractive recruitment package, including highly competitive salaries and excellent fringe benefits, will be offered to the successful candidate(s). Interested applicants should send a Curriculum Vitae, the names of three references, and a brief statement of future research interests to: Dolph D. Adams, MD, PhD, Chairman, Search Committee, Duke University Medical Center, Box 3712, Department of Pathology, Durham, NC 27710.

Duke University Medical Center
Duke University is an Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF PATHOLOGY
UNIVERSITY OF CALIFORNIA, IRVINE

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

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

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

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

Head of Scientific Information Technology

Affymax is an innovative venture dedicated to the development of new technologies to revolutionize the process of drug discovery. We have recently become one of the Glaxo Welcome plc companies, the world’s largest pharmaceutical company.

An exciting new opportunity exists for a creative individual to take a leadership role in developing and maintaining scientific information systems for Affymax, to work with other Glaxo sites on chemical information and compound registration, and to take a lead position on the application of computing tools to combinatorial chemistry. Ph.D. in a biological or chemical science or computer science with at least 6 years experience in chemical information technology, preferably using MDL software (REACCS, MACCS, or ISIS) required. Demonstrated knowledge of molecular modeling tools, particularly Tripos and MSI/Biosym desirable; UNIX experience a plus. Must have demonstrated ability to lead an information technology group, have excellent presentation and influencing skills, be able to communicate with all levels and disciplines within the organization and be able to travel regularly.

We offer an excellent compensation/benefits package. Please send your resume to Affymax Research Institute, Human Resources, Dept. Job # EG344, 3410 Central Expressway, Santa Clara, CA 95051. EO.

Senior Faculty Position in Molecular Pharmacology

School of Pharmacy

University of Southern California

The Department of Molecular Pharmacology and Toxicology at the School of Pharmacy, University of Southern California seeks applications for a tenure track faculty position at the level of Professor or Associate Professor. The Department provides an excellent research environment with groups conducting research in free radical biochemistry and toxicology, gene expression and regulation, neurobiology, and signal transduction. Selection will be based on a research record in the area of cell and/or molecular biology with research interests expanding the existing areas of strength. The successful candidate is expected to have a proven record of independent extramural research support, and to participate in teaching of professional and graduate students in the Pharmacy School.

Interested candidates should send curriculum vitae and the names, addresses and telephone numbers of three references to Professor Alex Sevanian, Chair, Search Committee, University of Southern California, PSC 700, 1985 Zonal Avenue, Los Angeles, California 90033. Evaluation of the application will begin January 31, 1996 and continue until the position is filled.

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

STRATAGENE, a leader in the development and manufacture of molecular biology research products, has an immediate opening for a qualified Postdoctoral Scientist to work on an exciting project located in Washington, D.C., in collaboration with the Naval Research Laboratory. Qualified candidates should have a Ph.D. in Molecular Biology or Biochemistry, extensive experience in sequencing nucleic acids, and excellent quantitative skills. An understanding of physical chemistry is highly desirable.

The successful completion of this project may lead to full-time employment at Stratagene in La Jolla, California. Interested candidates should send a resume to: Stratagene, 11011 N. Torrey Pines Rd., La Jolla, CA 92037, Attn: Professional Staffing 21060-95A. AA/EOE.

ASSISTANT PROFESSOR OF FOREST ECOLOGY

The Department of Forestry at Michigan State University is seeking applicants for a full-time (12-month) tenure-track, assistant professor of forest ecology position (70% research, 30% teaching appointment). The successful applicant is expected to build a nationally recognized scholarly research program in forest ecosystem ecology; teach two semester courses per year in forest ecology, one at the undergraduate and one at the graduate level; be actively involved in M.S. and Ph.D. graduate education; and contribute to the interdepartmental Ecology and Evolutionary Biology Program. Candidates must have a Ph.D. in plant or forest ecology and at least one degree in forestry. A commitment to excellence, an interest in working with the woody component of forested ecosystems, a knowledge of current research technologies in plant ecology, and professional experience in ecology research and teaching are primary search criteria.

Applications will be accepted until February 29, 1996 or until the position is filled. The university is committed to building a diverse faculty, so candidates from underrepresented groups are especially encouraged to apply. A complete application will consist of a letter of intent, curriculum vitae, and four letters of reference. Send this application to:

Melvin R. Koelling, Chair
Ecology Search Committee
Department of Forestry
Michigan State University
East Lansing, MI 48824-1222

Phone inquiries can be directed to the search committee chair at (517) 355-0096.

DEAN
MOUNT SINAI SCHOOL OF MEDICINE

Mount Sinai School of Medicine is searching for a nationally recognized leader in academic medicine to serve as Dean upon the retirement of Dr. M.D. Mount Sinai School of Medicine is a research-intensive medical school with a strong and growing base of NIH support and very substantial new research facilities. Major new initiatives range from primary care to gene therapy and structural biology. The School of Medicine has an exceptional faculty (both full-time and voluntary) of leading clinicians, scientists, andeducators, and its student body is highly select. It has a number of major new educational initiatives, such as in primary care, humanities and medicine, and engineering and medicine. The School of Medicine is affiliated with The Mount Sinai Hospital, a premier, successful 1,167-bed tertiary and quaternary care referral center, and The Mount Sinai Health System, a regional, integrated health system with numerous important educational and research opportunities. The School of Medicine also sponsors education and training programs at high-quality health-care facilities in the local region. Qualified candidates should send a curriculum vitae to: Dr. Arthur Auffes, Jr., Chairman, Department of Surgery and Chair, Dean Search Committee, The Mount Sinai Medical Center, One Gustave L. Levy Place, Box 1259, New York, NY 10029-6574. The Mount Sinai Medical Center is an equal opportunity/affirmative action employer.

The Mount Sinai Medical Center of New York
City University of Hong Kong is a well-established degree-granting institution in Hong Kong directly funded by the government through the University Grants Committee (Hong Kong). The University is committed to excellence in teaching and research and to maintaining close relationship with the community and industry with the aim to providing quality education for professional excellence. The student population for 95-96 is 16,234. The medium of instruction is English.

**Associate/Assistant Professors**
Department of Biology and Chemistry

[Ref. A/236/29]

The appointees will assist in the design and teaching of one or more of the following subject areas: Environmental Chemistry/Molecular Biology/ Molecular Toxicology; undertake research, consultancy and administrative duties as required by the Department.

Applicants should have a doctorate degree in Environmental Chemistry/Molecular Biology/ Molecular Toxicology or a related subject. Candidates with relevant teaching, research and consultancy experience, research publications and professional qualifications preferred.

**Salary and Conditions of Service**
Associate Professor: HK$58,800 - $78,990
Assistant Professor: HK$37,850 - $63,225

*Appointees with salary at HK$53,110 per month or above may be considered for the title of Associate Professor.

(Exchange rate : US$1 = HK$7.8 approximately)

Appointment may be on superannuable terms with provision for retirement benefit or on fixed term contract with gratuity payable at 15% of basic salary upon satisfactory completion of contract. Generous fringe benefits include medical and dental schemes, 46 days' annual leave, passages and housing assistance where applicable.

**Information and Application**
Information concerning the posts and the University is available on the University’s World Wide Web home page http://www.cityu.edu.hk or the University's listserver accessed by E-mail at “POMAIL@CTYLNK.CITYU.EDU.HK” or from the Personnel Office, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong (Fax: 852-2788 1154 or 852-2788 9334, E-mail: PORECRUT@CITYU.EDU.HK). Please send your application with a current curriculum vitae and the names and addresses of three academic referees to the Personnel Office by the end of March 1996.

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**AMGEN**

**RESEARCH SCIENTIST**

**POST DOCTORAL FELLOW**

Amgen in a global pharmaceutical company that develops, manufactures and markets human pharmaceuticals based on advanced cellular and molecular biology. Due to the diversification of the product lines there is an opening for a PhD with 1 to 2 years post-doctoral experience in Experimental Haematology. A solid background in FACS analysis of rare cells and experience in In-vitro clonal assays is essential.

This uniquely challenging position will be based in Amgen's laboratory in Brussels and involves both basic and clinical research in Cellular Therapy.

Initially, this position will be offered for a period of 12 months with the possibility of converting to a permanent position thereafter. For a confidential, more detailed information exchange, candidates should fax/mail their CV and relevant documents with full contact details to the consultants:

**THORBURN-GEIGER GROUP, POB 1225, 1001 LAUSANNE, SWITZERLAND,**
Fax +41 21 6131029, Ref: 426

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**MAX-PLANCK-INSTITUT**

**FÜR MARINE MIKROBIOLOGIE**

The Max-Planck-Institute for marine Microbiology, Bremen, Germany, invites applications for a

**Leader of the Research Group**

for Molecular Ecology
to study the structure, function and evolution of natural microbial communities from aquatic ecosystems, and their role in the biogeochemical cycles.

The successful candidate should have several years of postdoctoral experience in the application of molecular techniques to characterize microbial communities and a record of original research in the field of molecular microbial ecology.

The position is limited to 5 years and the salary is according to the German C3 level. New laboratory space and funds for research and equipment are available. Fellowships for postdoctoral coworkers and graduate students may be negotiated. Selected applicants will be invited to a colloquium in Bremen in April-May.

Applications, including a curriculum vitae, a list of publications and a short description of future research objectives are invited within two months to:

**Prof. Dr. B.B. Jorgensen**
Max-Planck-Institut für marine Mikrobiologie
Celsiusstr. 1
28359 Bremen, Germany
GRANTS FOR INTERNATIONAL JOINT RESEARCH
IN THE AREAS OF
MATERIALS, ENERGY AND GLOBAL ENVIRONMENT

The New Energy and Industrial Technology Development Organization (NEDO), a Japanese governmental implementing agency supervised by the Ministry of International Trade and Industry (MITI) of Japan, has been carrying out an International Joint Research Program since 1988. This program aims to contribute to the enhancement of the international level of industrial technology as well as to the advancement of international exchange by supporting international joint research teams which conduct superior research. In addition to supporting international joint research teams which conduct original and innovative basic research in the materials area, international joint research teams which conduct research in the energy area and the global environment area will be provided with grants in FY 1996. The program in the global environment area will be conducted jointly with the Research Institute of Innovative Technology for the Earth (RITE).

Research grants will be provided to "International Joint Research Teams" which fulfill the following main requirements:
1. Each team, in principle, must be composed of four or more researchers;
2. Each team must consist of researchers of two or more different nationalities;
3. The research organizations where the team members' major activities take place must be located in two or more countries.
4. Each team must appoint a research coordinator and an accounting coordinator. The accounting coordinator must be responsible for accounting matters and function as the liaison between the team and NEDO.

The accounting coordinator's organization and research site must be located in Japan, and he/she must be able to communicate with NEDO in Japanese about all accounting matters. The research coordinator can also hold the post of accounting coordinator.

FY 1996's program is shown below.

<table>
<thead>
<tr>
<th>Research Area</th>
<th>Field of Research</th>
<th>Amount of Each Grant</th>
<th>Number of Themes to be Adopted</th>
<th>Recipients of Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials</td>
<td>1) Basic research concerning the investigation and elucidation of materials</td>
<td>about 30,000,000 yen in FY 1996</td>
<td>3 themes</td>
<td>NEDO (Note a.)</td>
</tr>
<tr>
<td></td>
<td>2) Basic research concerning the practical use of materials</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy</td>
<td>Practical research on electric power generation technologies using oil-alternative energy, on load leveling technologies and on global environment conservation related to such technologies.</td>
<td>about 30,000,00 yen in FY 1996</td>
<td>3 themes</td>
<td></td>
</tr>
<tr>
<td>Global Environment</td>
<td>(Basic research)</td>
<td>about 24,000,000 yen in FY 1996</td>
<td>1 theme</td>
<td>RITE (Note b.)</td>
</tr>
<tr>
<td></td>
<td>Basic research on conservation and improvement of the global environment.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Practice research) Practical research concerning the production, generation and use of oil-alternative energy (excluding electric power generation technologies) which contributes to the conservation and improvement of the global environment</td>
<td>about 30,000,000 yen in FY 1996</td>
<td>3 themes</td>
<td></td>
</tr>
</tbody>
</table>

(Recipients of applications)
Note a. Materials and Energy area:
International Joint Research Division,
Industrial Technology Department
New Energy and Industrial Technology Development Organization (NEDO)
Address: PO Box 1151, 29F, Sunshine 60 Bldg,
3-1-1 Higashi-ikebukuro, Toshima-ku,
Tokyo, 170 Japan
Phone No.: 81-3-3987-9357
Telefax No.: 81-3-3981-1536

Note b. Global environment area:
Research Proposals Reception Section,
Research Planning Department
Research Institute of Innovative Technology for the Earth (RITE)
Address: 9-2 Kizugawadai Kizu-cho Soraku-gun,
Kyoto, 619-02 Japan
Phone No.: 81-774-75-2302
Telefax No.: 81-774-75-2314

Please be informed that the amount of each grant and the number of themes to be adopted may be changed, and that this grant program is subject to government budget approval. A research team may submit an application a maximum of two times for a grant on the same subject.
The application period is from January 18, 1996 to April 18, 1996. No applications will be accepted later than April 18th.

ATTENTION: If there are some discrepancies in a submitted application, for example, it does not follow the Application Guidebook or the research contents are different from the proposed research area, it will be considered invalid.
POSTDOCTORAL RESEARCH INTERDISCIPLINARY VASCULAR BIOLOGY ENDOThELIAL MECHANOH-TRANSDUCTION

Three postdoctoral positions are available in July 1996 to work on mechanical force-sensing systems in endothelial cells. This is an interdisciplinary project directed at the mechanisms by which endothelial cells respond to changes of blood flow forces. Such responses regulate flow-mediated vascular tone, vascular wall remodeling, and the localization of atherosclerosis. The positions offer opportunities for biomedical researchers to participate in engineering and computational approaches to biology, and for engineers to become involved in vascular cell and molecular biology. Cardiovascular research experience desirable but not essential.

Two appointments of candidates with backgrounds in molecular biology/biochemistry are anticipated. Experience in signal transduction and related areas is desirable.

One appointment in bioengineering/computational sciences is anticipated. Experience in cellular mechanics, fluid dynamics, or cell imaging (broadly defined), with advanced computer skills is desirable.

This group will become part of the new Institute for Medicine and Engineering upon completion of the Advanced Science and Technology building in 1997. Send curriculum vitae, names and addresses of three references and a statement of research experience and career interest to: Dr. Peter F. Davies at the following current address: Department of Physiology, MC 6079, The University of Chicago, 5841 S. Maryland Avenue, Chicago, Illinois 60637. E-mail: pd12@midway.uchicago.edu

Davies, PF, 1995 Physiological Reviews 75:519-560.

The University of Pennsylvania is an equal opportunity/affirmative action employer.
SCIENTISTS
Monsanto, a unit of Monsanto Company, is a recognized leader in innovative agricultural research. The Plant Protection Group is looking for two scientists to join a multidisciplinary team working on the discovery of novel agrochemicals.

One position requires experience in protein purification, assay development and molecular techniques. Knowledge of plant biochemistry and metabolism and experience in methods to characterize protein-DNA interactions is a plus. The second position requires a strong background in plant physiology/biochemistry with experience in molecular biology. Knowledge of plant-pathogen interactions is a plus.

We seek innovative scientists with strong research backgrounds. Candidates must demonstrate the ability to be creative in the approach to new and diverse problems. Strong collaborative and communication skills are essential. A Ph.D. or equivalent experience is required.

Both positions are located in St. Louis, MO. Applicants should send their resumes (no phone calls), with the names of three references, to Monsanto Company; Attn: D. DuMont-C; Mail Code U3F; 800 N. Lindbergh Blvd., St. Louis, MO 63167. Equal Opportunity Employer M/F/D/V.

FRAMINGHAM STATE COLLEGE
Framingham State College, a state-supported, undergraduate liberal arts college with a commitment to excellence in teaching, seeks applicants for the following teaching position.

BIOLOGY DEPARTMENT/ MICROBIOLOGIST
Assistant Professor for a tenure-track position to begin September 1996. Duties include: teaching Principles of Microbiology, participation in introductory biology courses, and teaching courses in area of expertise. A Ph.D., commitment to undergraduate teaching and a willingness to supervise undergraduate research are required; the ability to direct the program in Medical Technology preferred. Send vita, statement of teaching philosophy and research interests, and the names, addresses and phone numbers of three references to Dr. Margaret Carrol (email: mcarrol@frc.mass.edu), Chair of the Biology Department, at the address listed below. Deadline: Feb. 16, 1996.

Applications for this position should be sent to the Department Chair, Framingham State College, 100 State Street, Framingham, MA 01701.

Framingham State College
Framingham State College is an Equal Opportunity/Affirmative Action Employer. People of color, women and persons with disabilities are encouraged to apply.

Stanford University
Ocean Margins Initiative
Faculty Positions

A major component of future research and teaching in the School of Earth Sciences at Stanford will be improved understanding of ocean margins from the coastal plain to the base of the continental slope. The Stanford University Ocean Margins Initiative opens three tenure-line faculty positions to establish a new program focused on the geology, physics, chemistry, and engineering science of the ocean margins and the record of environmental change preserved within coastal sediments. Research areas which might fit well into the new program include, but are not limited to: coastal geochemical/bio-geochemical cycles, with an emphasis on relationships between human activities and the environment; sediment transport and deposition processes; submarine fluid transport (water, oil, gas and associated clathrates) and fluids across the coastal interface; and fluid dynamics along ocean margins.

The Stanford Ocean Margins Initiative seeks scientists with demonstrated records of excellence in research. Candidates must be committed to quality in both undergraduate and graduate teaching. An interest in applying new technologies to the continental margin setting is particularly important. Special opportunities exist for collaboration with the Monterey Bay Aquarium Research Institute, which has remarkable experimental access to the coastal ocean, and with Stanford's Hopkins Marine Station. Teachers are committed to excellence in undergraduate teaching; a Ph.D. is required.

Applications for these positions should be submitted by May 15, 1996. Applications will be made at the Assistant Professor level for at least two of the three appointments. Senior scientists or engineers may also be considered for the other appointment. Applications, including a curriculum vitae, a statement outlining research interests that would materially contribute to the Stanford Ocean Margins Initiative, and names and addresses of three referees, should be sent by 31 March 1996 to:

Dr. Franklin M. Orr, Jr., Dean, School of Earth Sciences
101 Mitchell Building
Stanford University
Stanford, CA 94305-2210

Stanford University has a strong institutional commitment to the principle of diversity. In that spirit, we particularly encourage applications from women, members of ethnic minorities, and individuals with disabilities.

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- **SCIENCE On-line:** Read the SCIENCE Table of Contents, the SCIENCE Editorial and This Week in SCIENCE the same day that the printed version is published!

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SCIENCE WWW Address: [http://www.aaas.org](http://www.aaas.org)

**SCIENCE COVERS THE WORLD**
Careers in Biotechnology and Pharmaceuticals

The 23 February issue of SCIENCE will feature a special advertising supplement on careers in biotechnology and pharmaceuticals. Plus, this issue will be distributed at the bioSCIENCE Career Fair, 1-2 March, held at the MIT campus in Cambridge, MA. Advertisers in this issue are eligible to participate in the career fair at a discounted rate!

Recruitment Advertising Space
Reservation Deadline: 6 February 1996

To Advertise, Contact:
U.S.: Janis Crowley
Phone: (212) 496-7704;
Fax: (202) 682-0816.

Europe: Debbie Cummings
Phone: (44) 01223 302067;
Fax: (44) 01223 302068.

Australia: Call Keith Sandell
Phone: (+61) 02 922 2977;
Fax: (+61) 02 922 1100.

Japan: Call Masayoshi Yoshikawa
Phone: (+81) 3 3235-5961;
Fax: (+81) 3 3235-5852.

HEALTH SCIENTIST ADMINISTRATOR (HSA)
GS-601-12/13/14
NIH/National Institute of General Medical Sciences
Division of Minority Opportunities in Research
Minority Access to Research Careers (MARC) Branch

The incumbent serves as an HSA and staff scientist, responsible for managing the programming and evaluation of a portfolio of grant applications for support of research training. These grants support the development of research and teaching capabilities in the biomedical sciences at minority institutions with the objective of promoting and providing access to careers in biomedical research among minority graduates and faculty members of designated institutions. The MARC Program supports research training across many scientific disciplines. Handling these responsibilities requires considerable knowledge, expertise, experience, and insight in order to manage them properly on a scientific basis.

Applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for these positions. In addition to the KSAs, there are a number of documents that must be submitted when applying. To obtain position information, qualifications and application requirements, please call the

NIGMS PERSONNEL OFFICE
(301) 594-2749

TDD Number (301) 402-6327. Announcement closes 2/20/96. U.S. citizenship is required.

NIH is an Equal Opportunity Employer

STAFF SCIENTIST, PHARMACOLOGY

Cytel Corporation is a publicly-held biotechnology company whose headquarters are located in San Diego, CA. We are committed to the discovery, design and development of immunotherapeutics for the treatment of serious human diseases.

This is a unique opportunity for an experienced pharmacologist to play a key role at Cytel. The individual we are seeking will be responsible for in vitro and animal research aimed at defining the intrinsic activity and understanding the mechanism(s) of action and pharmacodynamics of Cytel's lead drug candidates in the areas of inflammation and antigen recognition. This individual will interact closely with senior level scientists, as well as Cytel's safety/pharmacokinetics group and extramural collaborators. Responsibilities also include participation on multidisciplinary project teams and assisting with preparation of regulatory filings.

Candidates must have a Ph.D. in pharmacology or related scientific discipline plus a minimum of 3 years industry experience in biopharmaceuticals. An understanding of inflammation, cellular immunology, animal models of disease and pharmacokinetics is desirable. Excellent verbal and written communication skills are essential as well as being self-motivated. Cytel offers a challenging environment, competitive salary and benefit programs, as well as stock options and an employee stock purchase plan. Qualified candidates please send your curriculum vitae to attention of Job Code: 41/9, Cytel Corporation, 3525 John Hopkins Court, San Diego, CA 92121-1121. We are an equal opportunity employer.
Wanted: Committed, ambitious scientist. Must be a team player with a vision for the future. Ph.D., M.S. or B.S. degree necessary.

Does this describe you?
If it does, then plan to attend the bioSCIENCE Career Fairs sponsored by SCIENCE. The bioSCIENCE Career Fairs offer the perfect opportunity for scientific professionals to meet in person with representatives from top biotechnology and pharmaceutical companies, universities, governmental agencies and institutions. You can also attend the seminar, How to get a paper published in SCIENCE. This exclusive seminar is offered free of charge and will be conducted by one of SCIENCE's editors.

1996 bioSCIENCE Career Fairs
Cambridge, MA on the MIT Campus in Cambridge
March 1: 11 am - 4 pm; March 1 Seminar: 11 am - 11:30 am
March 2: 12:00 pm - 4:00 pm
San Francisco, CA on the Stanford Campus in Palo Alto, May 3-4
La Jolla, CA at The Scripps Research Institute, October 4-5

bioSCIENCE CAREER FAIRS

For more information please call (202) 326-7018.

bioSCIENCE Career Fair Information On-line: http://www.aaas.org
(Choose SCIENCE Global Career Network from the menu)
Formulate Your Success at APL

The Advanced Science and Analytical Biomarker Division of Johns Hopkins University, to marry theory with experience—making a real difference in how we understand the world around us. We currently have openings for two postdoctoral professionals to develop sensor technology for the detection of biological and chemical materials in the environment. The first candidate will work directly with the newly established APL Institute for Advanced Science and Technology in Medicine. To qualify, you will have a recent Ph.D. in Cell Biology, Molecular Biology, Microbiology, Biochemistry, Biomedical Engineering or related discipline. Technical expertise in analytical biomarker development, environmental analysis and biochemical sensors is strongly desired. Project funding experience and a strong business sense are helpful.

The second candidate will have a recent Ph.D. in Analytical Chemistry, with an emphasis on Bio-Analytical Chemistry, Cell Biology, Molecular Biology, Biochemistry or related area. To qualify, you will have expertise using time-of-flight mass spectrometric techniques and instrumentation and experience in analytical biomarker development, environmental sampling and data system development.

JHU/APL offers a comprehensive benefits package and salaries commensurate with qualifications and experience. Please send curriculum vitae along with a cover letter and names and addresses of three references to: The Johns Hopkins University, Applied Physics Laboratory, Dept. SC-119, Johns Hopkins Road, Laurel, MD 20723. EOE, M/F/D/V.

The Johns Hopkins University
Applied Physics Laboratory

Technical Writing/Technical Support Positions

Promega Corporation, a world leading biotechnology firm, has immediate openings for Technical Writers with excellent communication skills and a desire to help other researchers successfully use our products.

Technical Writer (Job Code: 14102K)

Technical Writers have the primary responsibility for creating and producing the technical literature that supports Promega's complete product line. Promega's Technical Writers:

- Collaborate with R & D and Production Scientists to generate and edit technical protocols detailing the use of Promega products.
- Participate in the writing and editing of corporate publications, including Promega Notes, Neural Notes and the Promega Protocols and Applications Guide.
- Contribute to the maintenance and evolution of the Promega Home Page on the Internet.
- Represent Promega Corporation at scientific meetings.

Technical Services Scientists (Job Code: 16100D)

We are looking for scientists who are challenged by the opportunity to troubleshoot experimental problems and design in molecular and cellular biology. In addition to offering technical support of Promega's complete product line, our Technical Services Scientists:

- Teach and train scientific and non-scientific staff and conduct workshops for Promega customers.
- Act as a liaison between the customer and our Marketing, Production and R & D Departments to refine existing products and pursue suggestions for new products.
- Write and edit a variety of Promega's technical literature.
- Represent Promega Corporation at scientific meetings.
- Speak at formal product seminars to members of the scientific community.

Applicants for the above positions must have an M.S. or B.S. degree in molecular biology, or a related field, 2-3 years related lab experience, and excellent verbal and written communication skills. Additionally, the Technical Writer position requires one year experience in technical writing/editing, or equivalent experience, with demonstrated ability to organize scientific information and express it in writing clearly, concisely and with correct grammar.

Promega strives to provide a rewarding work environment for our employees and to preserve a balance between work and life activities. We offer a comprehensive benefits package, as well as on-site fitness and daycare facilities. To apply for the above positions, forward a resume and salary requirements indicating the position of interest with code to:

Promega Corporation
Human Resources/(Job Code)
P.O. Box 7879 • Madison, WI 53707-7879

USA

Additional career opportunities can be heard by calling Promega’s NEW Career Opportunities Line (1-800-356-9526) within the United States, 24 hours/day, 7 days/week. Plus, now you can check out selected current employment opportunities by visiting the Promega Home Page at: http://www.promega.com

An Equal Opportunity Employer

Scientist Opportunities

Start off the new year with Alpha! If you are a Scientist with a background which includes a BS/MS/Ph.D in Biological Sciences, strong written/verbal communication skills, strong PC skills and you qualify for one of the following positions, we want to hear from you.

Scientist 01-14A Will perform predclinical animal studies with pharmaceutical and biological drugs under development. Requires familiarity with general pathology and histopathology, general toxicology, and lab animal histopathology, with pulmonary toxicity and protein metabolism desirable. Requirements include Ph.D in pharmacology, toxicology, biochemistry, immunology or other life sciences. 3+ years experience in pharmaceutical industry with experience in GLP environment is desirable.

Scientist 01-14B Must have proven ability in Project Management with solid knowledge in protein purification and protein chemistry, especially blood protein. Requires ability to write and present technical reports to management, and provide direction to technical staff. Must have Ph.D in Biochemistry or related field, 5+ years experience in industry or institutions for product or process development with 3+ years in project management.

Scientist 01-14C Position requires proven ability in conducting basic and scale-up studies supporting new process and product development which includes HPLC, chromatography, ultrafiltration, and electrophoresis. Also requires solid knowledge in protein chemistry, purification and analytical methods, 3+ years experience in industry in institution for product or process development, strong technical writing skills, and ability to write/present technical reports to management. Requires BS in Biochemistry or related field with Ph.D preferred.

Scientist 01-14D Requires proven ability to conduct experiments with minimal supervision. As a member of the R&D team, will develop new products, specifically immunoglobulins to scale-up and optimize such processes. Will perform product characterizations using biochemical, immunological and physico-chemical methods. Familiarity with GMP and GLP regulations required, as well as BS in Biological Sciences, Chemistry or related field with MS preferred. 3+ years related experience in biological and pharmaceutical research required. Background in Immunology/Hematology or related field and knowledge of plasma protein and plasma fractionation, especially immunoglobulin purification and characterization, preferred.

We offer salaries commensurate with experience and excellent benefits. Qualified Scientists please forward resume and salary requirements, indicating on envelope/ fax which position number best fits your background, to: ALPHA Therapeutic Corporation, 1R Mail Stop PR-1412, 5555 Valley Blvd., Los Angeles, CA 90032. FAX: (213) 227-7689.

AA/EOE. Principals Only.

Technical Services Scientists

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Human Resources/(Job Code)
P.O. Box 7879 • Madison, WI 53707-7879

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GENEPAIRSTM Update

Working with various genome centers and overseas investigators, Research Genetics has produced over 6,000 gene-based STSs or ESTs which we market under the tradename GENEPAIRSTM. GENEPAIRSTM are a subset of the more than 18,000 human STSs which we currently offer. While many are derived from known genes, most are derived from the I.M.A.G.E Consortium cDNA clones. The expansion and sequencing of this massive resource was recently made possible by a substantial grant from Merck & Co. GENEPAIRSTM consist of two PCR primers which amplify a portion of a specific gene, usually from the 3' untranslated region. Most of these GENEPAIRSTM have been placed on various maps including the MIT Physical Map of the Human Genome, the GENEBRIDGE 4 RH map and/or chromosome assignment using a human-rodent somatic cell hybrid panel. These markers all use the same PCR conditions and are available from stock. See our web page, at http://www.resgen.com, to search our most current list of GENEPAIRSTM.

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