How do women manage in biotechnology companies?
Ask our CEO.

Or our VP of Business Development, or any of the many other women who have helped make SyStemix a rising star in the biotechnology industry.

Because here we have developed an environment which emphasizes collaboration between team members. Collaboration which has resulted in the discovery and isolation of hematopoietic stem cells and megakaryocyte progenitors. As we continue pioneering new therapies that use the body's own cells to treat disease, we continue to seek additional talented people to join us.

QUALITY/REGULATORY AFFAIRS

QC SUPERVISOR
QC MONOCLONAL REAGENT SPECIALIST
QA DIRECTOR

ADMINISTRATION

VICE PRESIDENT AND
CHIEF FINANCIAL OFFICER

Contribute to this exciting effort. If you're seeking a company that values the contributions of all its team members, join our exciting environment which fosters both personal and professional growth. We offer an excellent compensation and benefits package. Send your resume to: SyStemix, Inc., Dept. SCYD34, 3155 Porter Drive, Palo Alto, CA 94304 or via FAX to (415) 856-4919. We are proud to be an equal opportunity employer.

Join us at the Career Connection Fair in La Jolla on March 25th and 26th.

SYSTEMIX
# FOGARY INTERNATIONAL CENTER MEETING

## TRANSFORMING GROWTH FACTOR-βs: BIOLOGICAL MECHANISMS AND CLINICAL APPLICATIONS

Karl A. Piez and Michael B. Sporn, Co-Chairmen  
May 4–6, 1994, Jack Masur Auditorium, Clinical Center, National Institutes of Health

**May 4 (am) Receptors, binding proteins, and signal transduction** (Moderator: Karl Piez)  
- Philip Schambra (NIH)  
- Kohei Miyazono *(Ludwig Inst, Uppsala)*  
- Harvey Lodish *(MIT)*  
- Joan Massagué *(Sloan Kettering)*  
- Rik Derynck *(Univ of Calif, San Francisco)*  
- Xiao-Fan Wang *(Duke)*  
- Erkki Ruoslahti *(La Jolla Cancer Res)*

**May 4 (pm) Regulation and cellular activity** (Moderator: Anita Roberts)  
- Seong-Jin Kim *(NIH)*  
- Carl-Henrik Heldin *(Ludwig Inst, Uppsala)*  
- Larry Gentry *(Medical College of Ohio)*  
- Joachim Pastan *(NIH)*  
- Daniel Rifkin *(New York Univ)*  
- Harold Moses *(Vanderbilt Univ)*  
- Joseph Madri *(Yale Medical School)*

**May 5 (am) Development** (Moderator: Harold Moses)  
- Rosemary Akhurst *(Univ of Glasgow)*  
- Christine Mummery *(Hubrecht Labs, Utrecht)*  
- Charles Daniel *(Univ of Calif, Santa Cruz)*  
- Tom Doetschman *(Univ of Cincinnati)*  
- Stefan Karlsson *(NIH)*

**May 5 (pm) Bone, wound healing, and fibrosis** (Moderator: Joan Massagué)  
- David Rosen *(Celtrix)*  
- Mark Ferguson *(Univ of Manchester)*  
- Arnold Greenberg *(Manitoba Inst of Cell Biol)*  
- Wayne Border *(Univ of Utah)*  
- Snorri Thorgeirsson *(NIH)*

**May 6 (am) Heart, immune and nervous system, and cancer** (Moderator: Carl-Henrik Heldin)  
- Harold Varmus *(NIH)*  
- Anita Roberts *(NIH)*  
- Sharon Wahl *(NIH)*  
- Adriano Fontana *(Univ of Zurich)*  
- Jeanette Thorbecke *(New York Univ)*  
- Klaus Unsicker *(Univ of Heidelberg)*  
- Michael Brattain *(Medical College of Ohio)*

**May 6 (pm) Pharmacology and clinical applications** (Moderator: Michael Sporn)  
- Larry Ellingsworth *(Celtrix)*  
- Martin Robson *(Univ of South Florida)*  
- Bert Glaser *(Retina Center, Baltimore)*  
- Henry McFarland, Michael Racke *(NIH)*  
- John Haley *(Oncogene Science)*  
- John Termine *(Eli Lilly)*

There will be poster sessions on May 4 and 5. The deadline for poster submission is April 1. For further information and registration contact: Sheila Feldman, FIC Bldg 16, NIH, Bethesda, MD 20892; phone: 301-496-4161; facsimile: 301-496-8496. There is no deadline for registration. There will be a satellite workshop on "TGF-β and Protection of the Brain from Vascular and Metabolic Injury" on May 3. For information, investigators working actively in this area may contact Michael Sporn, Bldg 41, NIH; phone: 301-496-5391; facsimile: 301-496-8395.
Fellowships for Biological and Biomedical Sciences

The Howard Hughes Medical Institute has a number of fellowship programs that support training in fundamental biological and biomedical research. Awards, based on international competitions, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at academic or nonprofit research institutions.

Pre-doctoral Fellowships in Biological Sciences

Up to five years of support for full-time graduate study toward a Ph.D. degree in biostatistics, cell biology and regulation, epidemiology, genetics, immunology, neuroscience, or structural biology. Applicants must not have completed the first year of postbaccalaureate graduate study in biology. Application deadline: early November.

Post-doctoral Research Fellowships for Physicians

Three years of support for training in fundamental research subsequent to at least two years of postgraduate clinical training and no more than two years of postdoctoral research training. Application deadline: early January.

Research Training Fellowships for Medical Students

An opportunity for medical students in the United States to explore a burgeoning interest in fundamental research. Support is awarded for one year of full-time fundamental research in a laboratory at the student's medical school or another institution (except NIH). Application deadline: early December.

Research Scholars at the National Institutes of Health

Under this joint HHMI-NIH program, medical students in the United States spend an intensive year in research in the intramural program at the NIH in Bethesda, Maryland. Residence is provided at the Cloister on the NIH campus. Application deadline: early January.

For Program Announcements and Applications

For Pre-doctoral Fellowships: Howard Hughes Fellowship Program The Fellowship Office National Research Council 2101 Constitution Avenue Washington, D.C. 20418 United States of America (202) 334-2872

For Other Programs: Howard Hughes Medical Institute Office of Grants and Special Programs Department AL95 4000 Jones Bridge Road Chevy Chase MD 20815-6789 United States of America (301) 215-8889

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

The DuPont Merck Pharmaceutical Company was created in 1991 to be at the leading edge of science, medicine and technology in bringing novel solutions to major unmet medical needs. We are a research-based pharmaceutical company - confident of our power to grow.

We are establishing a team of creative and dynamic scientists to drive our search for novel anti-inflammatory therapeutics. We currently have a number of openings within the Inflammatory Diseases Research Group, which utilizes a team-oriented approach to discover novel, mechanism-based, therapies for arthritic and autoimmune diseases:

**Ph.D. Cellular Biochemist**
We are seeking a cellular biochemist to target cell signaling pathways and cellular activation mechanisms. Requirements include a Ph.D. or equivalent with a minimum of two years related postdoctoral experience preferably in inflammation research. The candidate is expected to have expertise in signal transduction cascades leading to cell activation and cell cycling processes including PKC and TK pathways, G-protein coupled receptors and mechanisms of gene activation and repression. Demonstrated experience in protein purification, enzymology, and gene expression is highly desirable. Refer to position # S-IDR-1

**Ph.D. Macrophage Cell Biologist**
This individual will have primary responsibility for discovering and developing new drugs for therapeutic targets distinctive to the human macrophage. The successful candidate must have a Ph.D. with at least two years postdoctoral experience, specifically related to the study of macrophage cell biology or biochemistry, and possess a wide range of knowledge and interest in macrophage biology in terms of cell activation and differentiation. Refer to position # S-IDR-2

**Ph.D. Animal Pharmacologist**
Ph.D., M.D. or D.V.M. and a minimum of 2-5 years of relevant experience in the area of animal pharmacology as it applies to the development and characterization of animal models of inflammation and autoimmune disease. This person will lead a group of scientists in mechanism-based approaches to develop innovative therapeutic agents to treat chronic inflammatory diseases. Candidates should have a working knowledge of inflammation/immunology. Strong oral/written communication skills and versatility are essential. Refer to position # S-IDR-3

**M.S./B.S. Animal Pharmacologist**
B.S./M.S. with a minimum of 2-5 years of relevant experience in the area of animal pharmacology as it applies to the development and characterization of animal models of inflammation and autoimmune disease. Mechanism-based approaches to develop innovative therapeutic agents to treat chronic inflammatory diseases will be pursued. Candidate should have a working knowledge of inflammation/immunology. This person will provide skilled technical support as a member of a team where communication skills and versatility are essential. Refer to position # S-IDR-4

**M.S./B.S. Molecular Biologists**
We are seeking individuals with solid records of laboratory experience in eukaryotic molecular cell biology. Broad technical experience in DNA and RNA analyses, expression systems, radiolabeling methods, PCR methodologies, site-directed mutagenesis techniques, cell and tissue culture, and various protein methods is desired. The successful candidates must be able to effectively employ the scientific literature in the design, execution, and management of multiple experimental approaches. Refer to position # S-IDR-5

Our Wilmington, Delaware R&D facilities are located in northern Delaware, with abundant recreational opportunities, uncongested living, and access to Mid-Atlantic cultural and academic facilities.

We offer competitive salaries and benefits and encourage female and minority candidates to apply. Our company is dedicated to the continued growth and development of our most important resource, the people of DuPont Merck.

FACULTY POSITIONS
Department of Biological Sciences
WELLESLEY COLLEGE
The department of Biological Sciences at Wellesley College, a highly selective liberal arts college located ten miles west of Boston with a student body of 2200, invites applications for four leave-replacement positions, three full-time and one part-time, to be filled by September 1994. These will be one-year, non-tenure-track appointments at the level of ASSISTANT PROFESSOR.

Persons filling these positions will teach introductory biology, plus a concentration of intermediate or advanced courses in (1) Animal Physiology; (2) Ecology and Agricultural Science; (3) Neurobiology; and (4) Molecular Biology. An ability to teach Histology would also be a plus for those applicants with an interest in this area.

Candidates for these positions should hold the Ph.D. For each position, we seek applicants who can demonstrate a commitment to the teaching of undergraduates. Because of space limitations, research on-site will be possible but difficult, and will not be expected for these positions.

CREDENTIALS will be reviewed when complete. Applicants should send curriculum vitae, graduate transcript, a statement of teaching experience, one letter of recommendation, and the names of two additional references to: Dr. Margaret F. Cameron, Department of Biological Sciences, Wellesley College, Wellesley, MA 02181, by April 15, 1994.

Wellesley College is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT OR ASSOCIATE PROFESSOR POSITION
Mention of Women from Molecular Genetics
Department of Microbiology and Molecular Genetics
University of Vermont
The Department of Microbiology and Molecular Genetics at the University of Vermont has expanded greatly over the past several years to develop an interactive department of twenty full-time faculty. We are housed in a new building with modern teaching and research facilities. As part of a long-term commitment to expand our department, we are seeking an outstanding molecular geneticist or microbiologist for a position as Assistant or Associate Professor who would thrive and participate in an interactive and cooperative environment. Candidates with a broad range of research interests will be considered. Interested candidates should submit an application, including curriculum vitae and a description of research interests, and request that three references be sent to: Dr. Janet Kurjan, Department of Microbiology and Molecular Genetics, University of Vermont, College of Medicine and College of Agriculture and Life Sciences, Burlington, VT 05405. This position will remain open until filled.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer; women and people from diverse racial, ethnic, and cultural backgrounds are encouraged to apply.

ASSISTANT PROFESSOR OF BIOLOGY
Tenure-track position to teach genetics courses in Biology and develop a viable research program in eukaryotic molecular genetics. Ph.D. and postdoctoral experience required. Research specialty must be compatible with existing Ph.D. program in Molecular Biology. Appointment effective September 1, 1994 or as negotiated. Send application, curriculum vitae, names, addresses and telephone numbers of at least three references to: Dr. Charles R. Freier, Department of Biological Sciences, University of Delaware, 1571 Richards Hall, Newark, DE 19716.

Wagner College, Staten Island, New York

ANTHROPOLOGY

ASSISTANT/ASSOCIATE PROFESSOR, BIOLOGICAL ANTHROPOLOGY

University of Oxford

Theivors intent to proceed to an election to the Professorship of Biological Anthropology with effect from 1 October 1994 or such later date as may be arranged. The stipend of the professorship is at present £34,984 per annum. A non-stipendary professorial fellowship at St John’s College is attached to the professorship.

Applications (ten copies, or one only from overseas candidates), naming three referees, should arrive not later than 30 March 1994 by the Registrar, University Offices, Wellington Square, Oxford OX1 2JD, from whom further particulars may be obtained.

The University of Oxford is an Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR

ANATOMY AND CELL BIOLOGY

Wellesley College, Massachusetts

Applications are invited for a tenure-track position in the Department of Biology and Cell Biology, University of North Dakota School of Medicine. Applicants must hold a Ph.D., M.D. or equivalent with at least two years of postdoctoral research experience in Cell Biology, Molecular Biology or related areas. The successful candidate will be expected to carry on a vigorous, extramurally supported research programme in his/her respective field. A demonstrated potential to collaborate with clinical researchers will be important for the successful candidate. Applicants should possess expertise in Human Gross Anatomy and be willing to contribute substantially to a team-taught Human Gross Anatomy course for medical students. A major teaching contribution in the Departmental Gradate Program is also required. Send curriculum vitae, descriptions of research and teaching experience and three letters of reference by May 15, 1994, to: Dr. Jean C. Obenour, Chair, Anatomy and Cell Biology Search Committee, Department of Anatomy and Cell Biology, University of North Dakota School of Medicine, Grand Forks, ND 58202. The University of North Dakota is an Equal Opportunity/Affirmative Action Employer and invites applications from all qualified individuals.

HARVARD MEDICAL SCHOOL CENTER FOR BLOOD RESEARCH ASSOCIATE PROFESSOR

The Department of Pathology at Harvard Medical School and the Harvard Research Center for Blood Research jointly seek to fill an Associate Professorship. The candidate is expected to direct a vigorous, independent research program. The field of research is endothelial biology and thrombosis. The position offers significant scientific and scholarly resources, a collegial environment, and the candidate will participate in teaching graduate and medical students.

Candidates should send curriculum vitae and statement of research interests, and three references to: Professor Timothy A. Springer, Search Committee Chair, Center for Blood Research, Box 4, Room 251, 200 Longwood Avenue, Boston, MA 02115.

Harvard Medical School is an Affirmative Action/Equal Opportunity Employer. Qualified female and minority applicants are encouraged to apply.

POSSESSION IN BIOLOGICAL SCIENCES

Wagner College, Staten Island, New York

ASSISTANT/ASSOCIATE PROFESSOR, BIOLOGICAL SCIENCES

Wagner College, Staten Island, New York

Linncology/Wastewater Utilization/Water Pollu-

Assistant Professor of Biology, September 1, 1994. Requires Ph.D. in Biology. Responsibilities include teaching undergraduate courses in general biology, botany, zoology, ecology; developing and overseeing research. Search cover letter, curriculum vitae, three letters of recommendation, official transcripts to: Dr. Kathleen A. Bobbitt, Chair, Department of Biological Sciences, Wagner College, Staten Island, NY 10301. Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE SCIENCES
UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE
ASSOCIATE PROFESSOR

A full-time faculty position is available for a basic scientist in the Department of Obstetrics, Gynecology and Reproductive Sciences, at the University of Pittsburgh School of Medicine beginning June 1, 1994. The successful candidate should be experienced in renal, trophoblast and smooth muscle biology. Experience and the ability to work independently are required, as is the willingness and ability to teach and train postdoctoral fellows and graduate students. The academic rank is at the Associate Professor level. Salary will be commensurate with experience, training and achievements.

Send inquiry and curriculum vitae by April 30, 1994, to:

James M. Roberts, M.D.
Professor and Vice-Chair, Research
Department of Obstetrics, Gynecology and Reproductive Sciences
University of Pittsburgh School of Medicine
Mage-Womens Hospital Hospital
3700 Fifth Avenue
Pittsburgh, PA 15213–3180

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

ASSISTANT/ASSOCIATE PROFESSOR OF BIOLOGY

The Department of Fisheries and Wildlife at Oregon State University (OSU) invites applications for a 12-month, 0.75 FTE tenure-track faculty position at the Assistant/Associate level. Requirements include a Ph.D. in fisheries or related field, and demonstrated ability in teaching, research and grantmanship. Responsibilities include teaching fisheries, population dynamics, and resource ecology, establishing a research program involving graduate students, advising undergraduate students, and helping to meet the university’s mission of extended education. Send professional résumé, letter of application addressing your qualifications, and three letters of recommendation to: Dr. Douglas Marks, Department of Fisheries and Wildlife, Nax 104, Oregon State University, Corvalis, OR 97331–3803. OSU IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER AND HAS A POLICY OF BEING RESPONSIVE TO THE NEEDS OF DUAL-CAREER COUPLES.

ASSISTANT PROFESSOR OF BIOLOGY:

Full-time, academic year (9-month), tenure-track position commencing September 1, 1994, in sophomore undergraduate biology program. We are seeking an applied microbiologist with the ability to teach plant physiology and/or cell biology. The successful candidate will be expected to participate in the introductory biology sequence, introductory genetics and/or the environmental science program. Commitment to quality teaching, advising, and production of undergraduate research is required. Salary commensurate with qualifications.

QUALIFICATIONS: Doctoral degree in Biological Sciences (or related field) and evidence of teaching excellence desired. Applicants should be able to work independently. Applicants should submit a letter of application, résumé, and three letters of reference to: the Office of Employee Relations, Administration Building, Lake Superior State University, Sault Ste. Marie, MI 49783.

Review of applications will begin April 15, 1994; applications will be accepted until the position is filed.

An Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
You Can Judge A Company By The Clarity Of Its Vision.

At Abbott, we've never swayed in our mission to provide advanced, cost-effective health care products and services—not in over 100 years. Today, you could join us in one of the world's most sophisticated research environments.

BIOCHEMICAL ENGINEER
Fermentation and Protein Expression

You will use and develop fermentation techniques with microbial hosts to achieve routine high-level expression of recombinant proteins for structure-function studies. This important work will be performed in close collaboration with Protein Biochemists, Molecular Biologists, X-ray Crystallographers, and Protein NMR Spectroscopists.

We require a PhD in Biochemical Engineering, Biochemistry or Microbial Physiology, and 2-5+ years of industrial/academic experience in hands-on microbial fermentation for expression of recombinant proteins at the 1-10L scale. Experience at larger scales would be a plus. Skills in molecular biology for maximizing microbial gene expression are also desirable. You must be able to work in a multidisciplinary environment.

Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. We are located in an attractive suburban area, approximately 30 miles north of Chicago. For confidential consideration, please send a resume and salary history to: Patricia Handly, D-095, Job# TH0905
Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer.

ABBBOTT LABORATORIES

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Experience The Abbott Edge.

Pharmaceutical Peptides, Inc.

is a newly-formed, well-financed biotechnology company dedicated to the development of novel drug substances in a wide variety of therapeutic areas. Peptides and related molecules derived from chemical and biological libraries will serve as corestems of novel methodologies for drug discovery.

The Company, located in Cambridge, Massachusetts, has been founded by three leading scientists with the financial support of a group of prestigious investors. It now seeks to hire individuals with a strong desire to participate in the rapid growth of an entrepreneurial company. Compensation will be in the form of salary as well as an attractive stock option package.

Director of Chemistry (Ph.D. or M.D.)

This senior level position is responsible for all chemistry within the Company and will report to the Director of Research. Should have at least 5 years, post-degree, of industrial or academic research experience leading a group in the area of protein, peptide or medicinal chemistry.

Director of Cell Biology (Ph.D. or M.D.)

This senior level position will be responsible for cellular research and development in all therapeutic areas involving gene expression and characterization of novel molecules affecting biological processes, and will report to the Director of Research. The individual should have at least 5 years, post-degree, of industrial or academic research experience leading a group in the field of cell biology with emphasis on molecular biology or biochemistry.

Senior Teahologist

This senior level position will report to the Company's Director of the appropriate research department. Should have at least 10 years' experience in either molecular biology or chemistry, and be able to work effectively with senior level scientists in all areas of the Company's research.

Qualified individuals should send their resumes, a list of references, and two of their most important publications to Dr. Ethan Signer, MIT 56-445, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.

An Equal Opportunity/Affirmative Action Employer
Carnegie Mellon University and the University of Pittsburgh Announce the Creation of the Center for the Neural Basis of Cognition

The Center is dedicated to the study of the neural basis of cognitive processes, including learning and memory, language and thought, perception, attention, and planning; to the study of the development of the neural substrate of these processes; to the study of disorders of these processes and their underlying neuropathology; and to the promotion of applications of the results of these studies to artificial intelligence, technology, and medicine. The Center will synthesize the disciplines of basic and clinical neuroscience, cognitive psychology, and computer science, combining neurobiological, behavioral, computational and brain imaging methods.

Faculty Openings in the Center

The Center seeks faculty and research scientists whose work relates to the mission stated above. Recruitng is beginning immediately, and will continue for several years. Appointments can be at any level and will be coordinated with one or more departments at either university.

Coordinating departments include Biological Sciences, Computer Science, and Psychology at Carnegie Mellon and the departments of Behavioral Neuroscience, Neurobiology, Neurology, Psychiatry and Psychology at the University of Pittsburgh. Other affiliations may be possible.

Candidates should send an application to either of the Co-Directors of the Center, listed below. The application should include a statement of interest indicating how the candidate’s work fits the mission of the center and suggesting possible departmental affiliations, as well as a CV, copies of publications, and three letters of reference. Both universities are EEO/AA Employers.

James L. McClelland
Department of Psychology
Baker Hall 345-F
Carnegie Mellon University
Pittsburgh, PA 15213

Robert Y. Moore
Center for Neuroscience
Biomedical Science Tower 1656
University of Pittsburgh
Pittsburgh, PA 15261

HEALTH SCIENTIST ADMINISTRATOR (HSA)
GS-601-12/13/14
GM-94-0006

The National Institute of General Medical Sciences, National Institutes of Health, Bethesda, MD is seeking a HSA, responsible for stimulating, planning, advising, directing, and evaluating program activities for (1) a portfolio of research grants in the areas covering the structure and function of proteins, nucleic acids, and protein nucleic acid complexes and (2) a portfolio of institutional training grants in the area of molecular biophysics.

Applicants should be physical biochemists with an appreciation of the role of molecular structure in the biological processes. In addition, applicants must possess specific knowledge, skills and abilities (KSAs) in order to qualify for this position. There are a number of documents that must be submitted when applying for this position. Applicants who fail to submit all of the required documents will not be considered for the position; therefore, it is crucial that applicants call to obtain this information.

For information regarding the qualifications and application requirements, please call the NIGMS Personnel Office on (301) 594-7767. TDD: (301) 594-8884.

Announcement closes 4/11/94.

U.S. Citizenship is required.
NIH is an Equal Opportunity Employer

ALPHAGENE

AlphaGene is a new biotechnology company which develops high-quality and innovative gene libraries for the emerging biotechnology industry, utilizes these libraries for genetic expression studies contracted by the pharmaceutical industry, and develops novel approaches in the biologic and genetic analysis of human disease.

AlphaGene will recruit highly-motivated molecular biologists for the following positions:

POSTDOCTORAL SCIENTIST/RESEARCH ASSOCIATE

Candidates must possess a Ph.D. degree in molecular biology with extensive experience in cloning, DNA sequencing, and expression of heterologous genes in prokaryotic and eukaryotic cells. Experience in the synthesis of gene libraries, PCR, and in-situ mutagenesis is highly desirable. Scientific talent, achievement focus, and teamwork skills are a must.

AlphaGene, founded by scientists at Harvard Medical School, is located in Cambridge, MA, amidst strong academic institutions and a growing community of "leading-edge" biotechnology companies. AlphaGene offers a competitive salary, a generous benefits package, opportunities for growth, and an "environment of excellence" for professional and commercial success. Qualified candidates are requested to submit, in confidence, a cover letter, their curriculum vitae, and two references to: Dr. George Scheele, AlphaGene Resources, 60 Glen Road, Suite 302, Brookline, MA 02146. An Equal Opportunity Employer M/F/D/V.

OSTEARTHRITIS RESEARCH, PH.D.

Wyeth-Ayerst Laboratories, a Division of Fortune 100 American Home Products Corporation, is seeking a creative scientist with research experience in cartilage biochemistry and chondrocyte biology to initiate a drug discovery program in Osteoarthritis.

The successful candidate will possess a proven track record of innovative research and will have a clear vision of future molecular-based drug discovery opportunities in the Osteoarthritis arena. Collaboration with other investigators and maintenance of an active presence in the scientific community will be expected. Qualifications include a Ph.D. in one of the Biological/Medical Sciences plus a minimum of 3 years experience after the doctoral degree. Well-developed interpersonal and verbal/written communication skills are required, as is the motivation to publish novel and innovative research findings.

Wyeth-Ayerst offers competitive salaries and excellent benefits. Candidates should send resume to: WYETH-AYERST RESEARCH, Human Resources Department, Position #423, CN 8000, Princeton, NJ 08543-8000. Equal Opportunity Employer, M/F/D/V.
Procaryotic Molecular Biology Research Assistant

Join the Growth.
Join the Success.

Pfizer, a Fortune 100 company, one of the largest pharmaceutical companies in the world and a multi-million dollar industry leader, can offer you a world of challenge, opportunity and achievement where you can make a significant contribution to the research and development of exciting new products to be introduced in the coming decade...and the new century.

Pfizer Central Research Laboratories in Groton, Connecticut are the company's primary U.S. research facilities committed to creating a healthier world population. In addition, the Central Research Laboratories represent one of only a handful of R&D organizations with a budget over $1 billion to support continued advances in science.

To accomplish that goal we are actively seeking a highly motivated research assistant in our Animal Health Discovery Biology group. The successful candidate will be involved in a team effort to discover novel classes of antibacterial agents using tools of microbiology and molecular genetics. Responsibilities will include bacterial growth determination, including assays of inhibition of diverse aspects of bacterial physiology; virulence, phosphate utilization, and nitrogen metabolism; design of cell-free and whole cell assays; and bacterial strain and vector construction, Southern analysis, transformation and electroporation.

This position requires a BA/BS or MA/MS in molecular biology and previous experience with modern techniques in bacterial genetics including strain construction, mutant analysis, cloning and gene expression. Knowledge of electroporation techniques and PCR is desirable.

We offer competitive salaries and a full range of benefits including medical and dental insurance, paid holidays and vacations, educational assistance, savings and investment plan, pension plan, relocation assistance and more. Our R&D facility located in a southeastern Connecticut shore community gives access to the well known academic and cultural centers of the Northeast and offers the attractions of a New England lifestyle.

To learn how you can be part of the future of Pfizer, send your resume to: Mr. Charles P. Norris, Assistant Manager, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. We are an equal opportunity employer.
Cell Therapeutics, Inc. is an innovative biopharmaceutical company focused on the design and commercial development of drugs that treat significant human diseases. We currently have the following opportunities available:

**GROUP LEADER/SENIOR SCIENTIST, VASCULAR BIOLOGY ANGIogenesis**

The successful candidate will lead a scientific team to optimize and develop a compound for treatment of vascular diseases, such as restenosis, reperfusion injury and proliferative retinopathies. Requirements include a PhD and a minimum of 5 years’ industry or relevant experience in endothelial or smooth muscle cell biology. Reference Number JS1943B.

**GROUP LEADER/SENIOR SCIENTIST, CELLULAR IMMUNOLOGY**

CTI is developing synthetic, orally-active phospholipid signaling inhibitors that block IL-2 and CD28-mediated signal transduction. The successful candidate will act as a team leader for an aggressive development program. This position requires a PhD/MD with a minimum of 5 years’ academic or industry experience in cellular immunology, a distinguished record of accomplishments, direct experience with animal model of autoimmune diseases and proven administrative skills. Reference Number JS1941B.

**SENIOR SCIENTIST, PHARMACOLOGY/METABOLISM**

The successful candidate will be responsible for pharmacology, metabolism and development issues, performance of pharmacokinetic and formulation analysis, and preparation of pharmacology section of INDs. Qualifications include a PhD in Pharmacology with a minimum of 5 years’ industry experience and excellent communication/management skills. Reference Number JS1942B.

**PUBLIC/INVESTOR RELATIONS DIRECTOR**

The selected individual will be responsible for developing and directing programs to promote CTI’s image. This will include internal and external communications and acting as the liaison to the investment community, media, general public and corporate alliances. Candidates must have BA/MBA with a minimum of 8 years’ experience in corporate communications and investor relations. Biotechnology experience preferred. Reference Number JAB1941B.

CTI’s location in downtown Seattle provides spectacular views and easy access to all areas. We also offer an attractive compensation and benefits package as well as an environment where your contributions can make a significant difference. Please send or FAX your CV, referencing Job Number, to:

**Equal Opportunity Employer**

Human Resources
Cell Therapeutics, Inc.
201 Elliott Avenue West, Suite 400
Seattle, WA 98119
FAX (206) 284-6206
We’ll be at the Biotechnical Job Fair, March 25 & 26 in La Jolla, California

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The University of Alabama at Birmingham

Assistant Professor - Molecular Virology

A tenure-track faculty position in Virology is available in the Department of Microbiology. We are seeking candidates with a strong research record, a commitment to developing an independent, innovative, funded research program, and a concern for graduate and medical education. This university, ranked in the top 20 institutions in NIH-funded research, offers an unusually interactive environment. The presence of several multidisciplinary centers and an interdepartmental graduate program in Cell and Molecular Biology facilitates collaborations among the basic science disciplines and between basic science and clinical faculty. The virology faculty are based in the Departments of Microbiology, Biochemistry, Medicine and Pediatrics and current research programs include virus structure, replication mechanisms, assembly, immune recognition, protein structure and function, viral vectors and the development of vaccines and antiviral drugs. These studies focus on retroviruses, including HIV and SIV, (senior faculty: E. Hunter, B. Hahn, G. Shaw, P Fultz, C. Morrow), influenza viruses (G. Air, M. Luo), picornaviruses (M. Luo, C. Morrow), VSV and respiratory syncytial virus (G. Wertz), vaccinia virus and nodaviruses (L.A. Ball), adenoviruses (J. Engler), papilloma viruses (T. Broker, L. Chow), and herpesviruses (R. Whiteley, W. Brit). The successful applicant could provide expertise in a new area or extend one of the existing programs. Applications and inquiries should be sent to one of the co-chairs of the Search Committee by April 15th 1994, and should include a curriculum vitae, a brief description of past accomplishments and future research plans, and the names and addresses of three references:

Dr. Andrew Ball or Dr. Eric Hunter
Department of Microbiology
University of Alabama at Birmingham
UAB Station
Birmingham, AL 35294
Telephone (205) 934-4321

UAB is an Affirmative Action/Equal Opportunity Employer
People Making A Difference

Liposome Technology, Inc. (LTI) is engaged in the development, manufacture, marketing, and sale of proprietary liposome and lipid-based products to treat life-threatening diseases.

We have made considerable investments into Research and Development and have added some of the pharmaceutical industry’s top talent to our employee roster. Today we are positioned for further growth and prosperity. If you are a dedicated and qualified professional seeking meaningful employment, now’s the time to consider LTI.

LTI is a progressive company dedicated to providing its employees with a professional, yet friendly, working environment and competitive salaries/benefits. Please send your resume to: Liposome Technology, Inc., Professional Staffing, 960 Hamilton Court, Menlo Park, CA 94025, or fax to: (415) 324-3928.

Principals only. No phone calls please. We are an equal opportunity employer.

Women and Minorities in Science:
Successes in Industry and Academia

You are invited to attend a special panel at the ASBMB Annual Meeting, sponsored by the ASBMB Subcommittees on Equal Opportunities for Women and Equal Opportunities for Minorities.

PANELISTS: Dr. Shirley Malcolm, AAAS
Dr. Evelyn DeLiso, Corning, Inc.
Dr. Robert Simoni, Stanford University

DATE: Tuesday, 24 May 1994
PLACE: Washington, D.C. Convention Center
TIME: 12:15–2:00 p.m.

Other activities of the ASBMB Subcommittee on Equal Opportunities for Women include publication and distribution of a Directory of Women Scientists and a mentor-matching program.

For more information, please contact:
ASBMB Meeting Office
9650 Rockville Pike
Bethesda, MD 20814-3998
Tel: 301-550-7010 Fax: 301-550-7014

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Senior Clinical Research Scientist Anti-Infective Development

At Burroughs Wellcome Co., you can discover your full potential for scientific research in an atmosphere where you will have access to world-renowned expertise. The result is an opportunity to extend the boundaries of knowledge, and enhance your skills. Discover your capabilities at Burroughs Wellcome Co.

The Department of Infectious Diseases & Immunology has the following opportunity which offers drug development challenges focusing on major viral diseases:

Position will be filled at the Senior Clinical Research Scientist I or Senior Clinical Research Scientist II level. The level of responsibility to be assigned will depend on the individual applicant’s educational background and experience level.

Senior Clinical Research Scientist I: Must have a Master’s degree in a biological, physical, health, or other related science or a Doctor of Pharmacy degree PLUS 8 years of clinical/research experience (e.g., employment in a patient care setting, such as nursing or pharmacy; clinical laboratory experience; experience as a clinical research monitor/coordinator); OR a Ph.D in one of the disciplines described above, PLUS 5 years of clinical/research experience (as described above).

Senior Clinical Research Scientist II: Must have a Master’s degree in one of the disciplines described above OR Doctor of Pharmacy PLUS 10 years of clinical/research experience as described above OR a Ph.D in one of the disciplines described above PLUS 7 years of clinical/research experience as described above.

Other factors to be considered in selection include advanced training or experience in infectious diseases or microbiology, clinical drug development experience with major project responsibilities, experience with clinical research methodology/activities (e.g., study design, site monitoring) computer experience, and technical writing abilities.

In addition to the advantages of our stimulating and challenging atmosphere, Burroughs Wellcome Co. offers one of the best compensation and benefits packages in the industry, including comprehensive health and dental plans, life and disability coverage, tuition reimbursement, relocation benefits, pension and investment savings plan, fitness facilities and more. To apply, please send your resume or C.V. indicating POS. #65427-19 in your cover letter by April 18, 1994 to: Burroughs Wellcome Co., HR-RD&M, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our job information line at 919-315-8347.
Current Frontiers in Virology

The Second Annual Bristol-Myers Squibb Symposium on Infectious Diseases

May 20-21, 1994
The Drake Hotel, Chicago, Illinois
Organized by:
Bernard Roizman, Sc.D., The University of Chicago and Patricia Spear, Ph.D., Northwestern University

Friday Morning, May 20

Regulation of Gene Expression
Arnold J. Berk, University of California, Los Angeles
Rozanne M. Sandri-Goldin, University of California, Irvine
Bryan Cullen, Duke University

Special Lecture: PrP and the Scrapie Agent – Bruce Chesebro, NIAID, Hamilton, Montana

Friday Afternoon, May 20

Advances in Studies on Viral Replication
Peter Palese, Mount Sinai School of Medicine
Don Ganem, University of California, San Francisco
John Taylor, Fox Chase Cancer Center
Michael Lai, University of Southern California

Special Lecture: Immune Recognition of Viral Antigens – Ian Wilson, Scripps Institute

Saturday Morning, May 21

Attenuation of the Immune Response by Viral Gene Products
Linda Gooding, Emory University
David Pickup, Duke University
Elliott Kieff, Harvard Medical School
Philip M. Murphy, NIAID, Bethesda, Maryland

Registration and Information
$50 before April 15; $85 after April 15. No fee for graduate students, residents or fellows before April 15. After April 15, the fee is $25. Please provide a letter verifying your status. For more information and a registration form, please call the University of Chicago, Center for Continuing Medical Education at (312) 702-1056 or FAX at (312) 702-1736.

President
Boyce Thompson Institute at Cornell University

Applications and nominations are invited for the position of President of Boyce Thompson Institute for Plant Research at Cornell University. Boyce Thompson Institute (BTI) is a non-profit, independent, privately endowed corporation conducting research on plants and associated organisms. The Institute is a modern facility located on the campus of Cornell University and is affiliated with the College of Agriculture and Life Sciences. BTI has an annual budget of $8 to $9 million and employs approximately 145 scientists and support staff, 70 at the Ph.D. level.

The President serves as chief executive officer and is responsible for formulation of Institute policy, evaluation of productivity of research programs, selection of scientific personnel, acquisition of financial support, overall operation of the Institute, interaction with Cornell University administration, and development and promotion of external relations. The President reports to the BTI Board of Directors.

Selection will be based upon experience, consistent with the goals of the Institute which span basic and applied research. Demonstrated scientific leadership, proven administrative ability, and success in recruiting research support and/or fund-raising are essential. Applicants should send curriculum vitae, bibliography and names of five professional people acquainted with the applicants background to: Norman R. Scott, Vice President for Research and Advanced Studies, Chair of Search Committee, Cornell University, 314 Day Hall, Ithaca, NY 14853. Nominations should also be sent to Dr. Scott. All applications and nominations should be submitted as soon as possible. The Search Committee will begin reviewing applications June 1, 1994. Target starting date by July 1, 1995 to September 1, 1995. An Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.
ANNOUNCEMENT

Educational Loan Repayment

- The biomedical research community is familiar with the number of grants and contracts awarded by the National Institutes of Health (NIH) to researchers throughout the country. However, in fiscal year 1994, approximately 15% of our $1.3 billion HIV/AIDS budget will be devoted to research activities conducted intramurally at NIH's 306 acre campus in Bethesda, Maryland.
- Located close to the center of Washington, D.C., the NIH employs more than 4,000 doctoral level scientists (Ph.D.'s, M.D.'s, D.D.S.'s, D.M.D.'s, D.V.M.'s, and D.O.'s). NIH's 500-bed Clinical Center is home to more than half the research beds in the country.
- The NIH offers a loan repayment program (LRP) for researchers and physicians—who agree to join our HIV/AIDS research team for a minimum of two years. Depending on your total debt, we can repay up to $20,000 per year of your educational debt and provide partial reimbursement for Federal income tax liabilities for all LRP benefits are in addition to attractive Federal salaries and associated benefits.
- The NIH provides exceptional training opportunities in basic, behavioral and clinical research. The following are some examples of the HIV/AIDS research projects in which our LRP participants are engaged: a molecular analysis of the viral burden in blood and lymphoid tissue of HIV-infected individuals on antiretroviral agents; the design and synthesis of synthetic peptide polymers for the production of anti-HIV vaccines; and the development of a prokaryotic expression system for the tax protein and the establishment of tax affinity columns.
- More than 70 researchers and physicians have benefited from the NIH's LRP for AIDS Research since its inception in FY 1990. Our ability to make accelerated repayments has enabled us to significantly reduce the educational debt burden of our participants and prevented the accrual of large amounts of interest, allowing them to pursue biomedical research careers.
- Telephone the LRP InfoLine, 24-hours a day toll-free at 800-528-7689, to obtain our recently updated Applicant Information Bulletin and our User's Guide to the NIH EDNET, an electronic bulletin board listing NIH's postdoctoral training opportunities.

National Institutes of Health
Public Health Service
U.S. Department of Health and Human Services

The program is administered without regard to race, color, national origin, handicap, age, sex, or religion.

The Agricultural Experiment Station at the University of Minnesota invites applications for an Assistant Professor specializing in small grains research and outreach. This is a 12-month, non-tenure track faculty appointment with a three-year funding commitment at the Northwest Experiment Station, Crookston, MN. The successful candidate will develop a comprehensive research and outreach program which is responsive to the small grain production and management needs of the region. Collaboration with other researchers, industry personnel and commodity organizations to identify, design, conduct and evaluate research and education strategies that will enhance small grain productivity, profitability and/or sustainability is expected. Minimum qualifications: A Ph.D. in a plant science discipline. Minimum experience: Research or extension experience in production agriculture. Effective oral and written communication skills and an ability to effectively cooperate with co-workers. Desired academic preparation: Courses in agronomy, crop physiology, entomology, plant pathology, statistics, soil science, and weed science. Desired experience: Demonstrated disciplinary and interdisciplinary collaborative research experience; involvement with small grains agronomic, soils, pathologic or entomological research and/or extension programs. Demonstrated ability to provide leadership to research and outreach programs. Salary commensurate with qualifications and experience. The position is available July 1, 1994. Applications should include a C.V., all transcripts, 1-2 page statement of interests related to this position, and names and addresses of three references to:

Dr. Robert Busch
University of Minnesota
Department of Agronomy and Plant Genetics
411 Borlaug Hall
St. Paul, MN 55108

All materials must be postmarked no later than May 15, 1994. The University is an equal opportunity educator and employer.

SCIENTIST
Drug Metabolism

Wyeth-Ayerst Research, a major division of American Home Products Corporation and a leading pharmaceutical company, has an immediate opening for a Scientist with training in drug metabolism at our pharmaceutical research facility in Princeton, New Jersey.

Responsibilities include proposing, planning and conducting drug disposition studies (absorption, distribution, metabolism and excretion) of drug candidates, performing metabolite isolation and identification, evaluating data and writing reports. Requirements include a doctorate degree in drug metabolism, medicinal chemistry, chemistry, analytical chemistry or a closely related discipline with 0 to 3 years experience in pharmacokinetics, and isolation and identification of metabolites. Knowledge or experience in the field of estrogens or other steroid hormones is preferred.

Individual will be expected to have excellent understanding of drug metabolism concepts and principles along with expertise in chemistry, chemical analysis, metabolite isolation and identification, and radiotracer work. Must have demonstrated the ability to independently design, conduct and successfully complete drug metabolism studies.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Please respond by sending your resume with salary requirements to: Wyeth-Ayerst Research, Human Resources, Position #636, CN 8000, Princeton, NJ 08543-8000. Equal Opportunity Employer, M/F/D/V.
The newly formed Management Decision and Research Center (MDRC) within the Health Services Research and Development Service (HSR&D) of Veterans Health Administration (VHA) is recruiting a manager for its Technology Assessment program. This program supports VHA senior management and researchers in making informed decisions about the acquisition and use of new medical technologies.

The position is national in scope and provides exceptional opportunities for both research and consultation. As part of the MDRC management team, the individual will have a major role in the MDRC’s development and in health care issues of national importance.

An outstanding background in technology assessment is required. Candidates should have either an MD or a PhD in Economics or another health related research discipline. The position is located in Boston.

For more information, please contact:
Martin P. Charns, D.B.A., Director, MDRC,
Department of Veterans Affairs
Medical Center (152-M),
150 S. Huntington Avenue, Boston,
MA 02130: (617) 278-4433.

An equal opportunity employer.

UCLA School of Medicine
Tenure-Track Assistant Professor Biomathematics, Computational/Communication Sciences

The Crump Institute for Biological Imaging of UCLA School of Medicine invites applications for a full-time, tenure-track assistant professor position with a primary research focus in Biomatics and Computational/Communication Sciences. The Crump Institute is a Science and Technology Center with a mission of merging the principles and technologies of imaging, mathematics, modern biology and biochemistry to allow novel and innovative biological imaging techniques to be developed to study basic molecular, biochemical, and kinetic mechanisms associated with normal and abnormal organ/tissue function. We are interested in an outstanding individual who is capable of establishing a scholarly research program and can interact effectively with other investigators in the highly multi-disciplinary environment of the Institute. Preferred areas of interest include 3-dimensional image reconstruction, tracer kinetic modeling in PET, and application of animation, expert systems, and computer-based multi-media technology for learning/educational system development.

Applicants should have a Ph.D. and/or M.D. with demonstrated research experience. The successful candidate will also participate in the education of graduate and medical students.

Please submit before May 1, 1994 your curriculum vitae, representative reprints, three letters of reference and a one page statement of research and career goals to:
(Henry) Sung-Cheng Huang, D.Sc.
Search Committee Chair
UCLA School of Medicine
Department of Molecular and Medical Pharmacology
10833 Le Conte Ave.
Los Angeles, CA 90024-1735

UCLA is an affirmative action/equal opportunity employer.

Hall Family Foundation
Distinguished Professorship in Molecular Medicine

The University of Kansas Medical Center seeks to recruit a distinguished physician/scientist with national and international reputation and achievements in molecular medicine. The professorship is established in partnership with the Hall Family Foundation which will endow the salary and expenses of the successful candidate. We seek an internationally recognized physician/scientist with a clear history of productive, innovative, and progressive clinical and research achievement in the field of molecular medicine. The successful candidate will establish a basic science and clinical program in molecular medicine at the University of Kansas School of Medicine. The individual will be allocated research space in a new research building slated for completion in Summer, 1994. The incumbent will have interactions with 350 full-time faculty members at the University of Kansas School of Medicine who have extensive research centers in cancer, aging, neurosciences, environmental health, mental retardation and reproductive biology. The environment will provide the candidate with rich opportunities for clinical applications of molecular medicine and continuation of basic research in molecular biology. This appointment will be at the full professor level with tenure in either a clinical or basic science department. Applications from interested individuals or nominations of suitable individuals are invited. Please contact: Daniel Hollander, M.D., Executive Dean, School of Medicine, University of Kansas Medical Center, Kansas City, KS 66160-7300. The University of Kansas is an Equal Opportunity/Affirmative Action employer.
**MOLECULAR ONCOLOGY**

**BOYER CENTER FOR MOLECULAR MEDICINE**

**YALE UNIVERSITY SCHOOL OF MEDICINE**

The Yale University School of Medicine is seeking applicants at the level of Assistant or Associate Professor for the Molecular Oncology Program in the Boyer Center for Molecular Medicine. Individuals with research interests in the molecular aspects of oncology including mechanisms of growth control, oncogene and suppressor gene functions, and cell cycle regulation are invited to apply. M.D. or Ph.D. appointees will hold regular faculty positions in one of the existing departments of the School of Medicine. Partial research support for the initial years of the appointment will be provided. Curriculum vitae, a summary of research interests, and three letters of reference should be submitted by May 1, 1994 to:

Vincent T. Marchesi, M.D., Ph.D.

Search Committee for the Molecular Oncology Program

Boyer Center for Molecular Medicine

Yale University School of Medicine

295 Congress Avenue, 109 BCMM

P.O. Box 9812

New Haven, CT 06536-0812.

Yale University is an Equal Opportunity/Affirmative Action Employer.

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Quality Biotech Inc. is a world leader in contract research and biosafety testing for the biopharmaceutical industry. As part of our expansion, we have the following openings in our BioAnalytical Services and Virology Departments.

**DIRECTOR - BIOANALYTICAL SERVICES**

This position is responsible for the development and implementation of new assays using novel and emerging technologies for biochemical analysis of nucleic acids, proteins and carbohydrates under strict compliance with GLP/cGMP guidelines. The Director will also manage our PCR lab operations which includes duties such as conducting routine assays, cloning and sequencing, isolation and characterization of DNA, protocol development and serving as Study Director. Other responsibilities include management of technical staff, data interpretation/analysis, preparation and presentation of scientific manuscripts, support of our technical sales effort, and interaction with clients and regulatory authorities. The successful candidate will have a Ph.D. in Biochemistry or a related field plus three to five years relevant experience.

**SENIOR SCIENTIST - VIROLOGY**

We seek an individual experienced in working with a variety of systems for the detection and quantification of viruses, including *in vitro* and *in vivo* infectivity assays, as well as novel molecular and immunological techniques, to join our Virology Department. Knowledge of a wide range of viral systems including murine and human retroviruses, herpes viruses, hepadtn viruses, adenoviruses and adeno-associated viruses, as well as unconventional agents such as scuraple is preferred.

This position requires a Ph.D. in Virology, Microbiology or related field, two to five years relevant experience, a record of independent scientific leadership, supervisory experience, and excellent communication skills. Familiarity with biosafety regulations and GLP/cGMP guidelines is desirable.

Quality Biotech is located in the Greater Philadelphia region - an area rich in scientific, cultural and recreational diversity. We offer excellent opportunities for professional growth, a competitive salary, relocation assistance, health benefits, 401(k) and Flexible Benefit plans. Please send resume and salary requirements to: Quality Biotech Inc., Human Resources - SCI, 1667 Davis Street, Camden, NJ 08104. An Equal Opportunity Employer.

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**ASSISTANT OR ASSOCIATE PROFESSOR**

**HUMAN GENETICIST/MOLECULAR EPIDEMIOLOGIST**

University of Cincinnati Medical Center

Cincinnati, Ohio

A full-time tenure-track faculty position is available immediately. The primary department for this appointment is the Department of Environmental Health in the College of Medicine; joint appointments with other Departments in the College (e.g. Pediatrics, Internal Medicine or Pathology) could be negotiated. Candidates must have an M.D. or Ph.D. degree, at least 3 years' postdoctoral experience in molecular biology and genetics, and an active-funded research program in human genetics and epidemiology. Additional research experience in the interaction between genes or gene products and environmental and/or occupational agents is strongly preferred. Primary criteria for appointment will include a relevant publication record in peer-reviewed journals, demonstrated ability through grant awards for significant population/crinal research, and evidence of successful teaching through student evaluations.

It is intended that the candidate join in the expansion of an existing research program in eugenics and collaborate with other investigators having similar interests and objectives, specifically in the design and conduct of clinical and population studies of environmental exposures, in order to identify potentially high-risk subpopulations. Interdepartmental collaborations, through the Center for Environmental Genomics at this broad-based State of Ohio University Medical Center, are very much encouraged.

Interested candidates should forward a curriculum vitae, a list of publications, a summary of research interests and three letters of recommendation to: Nancy A. McVay, Department of Environmental Health, University of Cincinnati, PO Box 870016, Cincinnati, OH 45267-0056. Applications must be received by May 20, 1994. The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer.

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**Key challenges with a world leader**

BioWhittaker has achieved world prominence by developing, refining, and marketing superior biomedical research and diagnostic products. Our company has experienced significant growth in recent years, and expects this trend to continue. Accordingly, we are always interested in hiring top technical/scientific people. We are seeking three capable professionals to assume key responsibilities in the following areas:

**SENIOR DIRECTOR, R&D**

This position calls for the expertise and wherewithal to drive our R&D Division. To qualify, you should possess an M.D. and Ph.D. with 15+ years' work experience and proven strength and leadership ability in a similar capacity.

**MOLECULAR BIOLOGIST**

You should be able to utilize your broad theoretical knowledge to lead projects concerned with clones. You will be responsible for bringing products from initial research through development to pilot operations. Qualifications include a Ph.D. in Molecular/Cell Biology augmented by industrial or relevant post-doctoral experience.

**MARKETING MANAGER - Diagnostic Product Group**

This position calls for a B.S. in Biological Sciences (M.B.A. desirable), strong technical and leadership skills, plus 5 years' marketing experience related directly to our industry. Strength in infectious diseases plus autoimmunity, allergy, and virology product areas are particularly desirable.

We offer an environment conducive to professional and personal growth, competitive salaries, and a comprehensive benefits package. For confidential consideration, please forward your resume, indicating position of interest, to: Human Resources Department-M10/S, BioWhittaker, 8830 Biggs Ford Road, Walkersville, Maryland 21793. We are an equal opportunity employer m/f/h/v — offering a smoke free/drug free environment.

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**BIOWHITTAKER, INC.**
POSITIONS OPEN

DIRECTOR
Dynom-PrCPI (Program Resources, Inc.) has an opening for a Director of Biomedical Services to lead a professional staff in providing contract laboratory research services to the NIH (NIAID and NCI), universities, and commercial organizations.

Applicants should possess a Ph.D., M.D., or equivalent and have a minimum of ten years of independent research experience with five years of directing a technical laboratory group. A demonstrated record of achieving and maintaining independent funding support is also required. Individuals with expertise in infectious disease research are especially encouraged to apply.

Send curriculum vitae to: Dynom-PrCPI, 1 Taft Court, Suite 200, Rockville, MD 20850, Attention: Dr. Zakour. We are an Equal Opportunity Employer, M/F/D/V.

ELECTROPHYSIOLOGIST
Applications are invited for a tenure-track FACULTY POSITION in the Department of Psychiatry and Human Behavior at the University of Mississippi Medical Center. The department is expanding its Division of Neurobiology and School of Dentistry. Candidates should have a Ph.D. and/or M.D. degree and expertise in vivo and/or in vitro neuronal electrophysiology. An interest in CNS-active drugs (psychopharmacology) and/or the forebrain (anterior hypothalamus) is highly desirable. The successful candidate will be expected to establish an active, externally funded research program, collaborate with colleagues, and participate in departmental teaching. Adequate research space and support will be available. Salary will be commensurate with experience. Applicants should submit curriculum vitae and a statement of research interests and teaching goals to: Dr. Angelos Gross, Department of Psychiatry and Human Behavior, University of Mississippi Medical Center, 2500 North State St., Jackson, MS 39216. Equal Opportunity Employer, M/F/D/V.

CURATORIAL POSITION IN MAMMALOGY
Carnegie Museum of Natural History seeks an ASSISTANT CURATOR (entry level) for the Section of Ornithology. Candidates are expected to: have a recent Ph.D. degree; maintain a strong research program in collection and field-based studies; assist in collection curation, development, conservation and database management; and participate in the Museum’s public exhibits in education and exhibition. Submit by 15 April 1994: curriculum vitae, three letters of reference, three recent publications and a letter describing current and future curatorial collection plans and goals to: Dr. Leonard Krishalka, Chair, Mammalogy Search Committee, Carnegie Museum of Natural History, 4400 Forbes Avenue, Pittsburgh, PA 15213. Equal Opportunity Employer, m/f/d/v.

ANATOMY FACULTY POSITIONS
CASE WESTERN RESERVE UNIVERSITY SCHOOL OF MEDICINE
The Department of Anatomy has several full-time, tenure-track openings at the level of ASSISTANT, ASSOCIATE or FULL PROFESSOR, with an effective date of July 1, 1994. Two of these positions are to join an established research program in the structural and functional correlates of hypothalamic and adrenocortical function. An additional position at the level of Assistant Professor is open for applicants with research experience in craniofacial anatomy for a joint program with the Department of Otolaryngology. The successful candidate must have demonstrated independent research funding by national agencies. Candidates are expected to contribute to graduate and medical teaching in the areas of Gross Anatomy, Histology or Embryology.

Send credentials to: Dr. Joseph C. LaMano, Department of Anatomy, Cleveland, OH 44106-4930. An Equal Opportunity/Affirmative Action Employer.

VICE PRESIDENT OF CHEMISTRY
Will direct scientific programs to develop new anti-infective therapeutic drugs as well as manage a team of chemists that develop drug targets, synthesize, and provide structural information in order to develop new compounds. Must have a Ph.D., minimum of 6 years of industry experience, strong publication and patent record, and management experience. Send resume: A. Lüer, One Kendall Square, Suite 2200, Cambridge, MA 02139 or call (617) 621-7120 for more information.

POSITIONS OPEN

EDITOR-IN-CHIEF, WORLD RESOURCES REPORT: The World Resources Institute (WRI), an independent research and policy institute, seeks applicants for Editor-in-Chief for its World Resources Report. Candidates should have a minimum of 10 years of relevant experience in research, publishing, or journalism, familiarity with global environmental and economic development, strong interpersonal and administrative skills, and some experience with international organizations. Responsibilities include curating and interpreting data, communicating through writing and editing, and editing. Send curriculum vitae to: Resource and Environmental Information Program, New America Foundation, 1801 L Street NW, Washington, DC 20006. Equal Opportunity Employer. Women and minorities encouraged to apply.

BIOLOGY DEPARTMENT FACULTY
MICROBIAL ECOLOGIST
Tenure-track position available beginning August 1994. Responsibilities include teaching courses in Medical Microbiology, Immunology, Microbiology, Medical Mycology and other courses for non-majors and establishing an independent research program that will involve undergraduates. Ph.D. in microbiology and teaching experience required. Candidates must provide evidence of teaching and research experience. Applicants must have a Ph.D. in microbial ecology or related field. Send letter of application, curriculum vitae, transcripts, a letter of long-term goals and three (3) letters of reference to: Dr. William R. Siemund, Search Chairperson, Biology Department, Slippery Rock University, Slippery Rock, PA 16057. The deadline for receipt of applications is April 1, 1994. SLIPPERY ROCK UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER.

SENIOR FACULTY POSITION
DEPARTMENT OF BIOCHEMISTRY
University of Connecticut College of Medicine at Chicago
Applications and nominations are invited for a senior-level tenured faculty position of ASSOCIATE or FULL Professor. Applicants should have a strong record of research accomplishments, a nationally/internationally recognized, funded research program and a commitment to teaching. All areas of biochemistry will be considered. We are particularly interested in applicants in the areas of basic science laboratories, signal transduction and molecular immunology. The Department is one of six basic science departments in the largest College of Medicine in the United States, and consists of 19 full-time faculty and 13 joint appointees. The department, college and campus are well equipped and have research facilities that will support any area of contemporary biochemistry. The college is recruiting several senior and junior faculty and are most interested in fostering independent research in an environment of interactive disciplines. The candidate will provide curricular vitae, a summary of current and future research plans and the names, addresses, telephone/FAX numbers of at least three references. Applications will be held in confidence. Review of applications will begin after November 1, 1993. Send applications or nominations to: Chair, Faculty Search Committee, Department of Biochemistry (M/C S640), University of Illinois College of Medicine, 1819-51 West Polk Street, Chicago, IL 60612. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

CHAIR—DEPARTMENT OF PATHOLOGY, MICROBIOLOGY AND IMMUNOLOGY, University of California, Davis. Associate Professor/Professor—salary commensurate with qualifications. Responsible for maintaining and developing academic programs for graduate and professional students. D.Y.M., graduate aca- demic and graduate clinical curricula, and research. Will participate in teaching, research and service programs of the department. D.Y.M./Ph.D. or equivalent required. Board certification in appropriate specialty College of the AVMA preferred. Demonstrated or potential leadership in academic program development, and program planning. Send curriculum vitae, three to five reprints, list of extramural funding, and names and addresses of three references. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

UNIVERSITY OF CALIFORNIA LOS ANGELES (UCLA) HUMAN GENETICS PROGRAM
The UCLA School of Medicine is planning to establish a Department of Human Genetics. A PROGRAM DIRECTOR, to be appointed by the current Director, will be responsible for creating a genetics program that will become a department, bringing together basic and clinical programs at UCLA, and recruiting at least six new tenure-track faculty.

In addition to building a program of basic research and clinical activities focused primarily on human genetics and gene therapy, the faculty will be responsible for coordinating human genetics teaching both at the graduate level and in the Medical School curriculum.

Interested applicants must have an M.D. and/or Ph.D., a record of research excellence, broad scientific views and leadership abilities, and should qualify for a professional appointment at a senior level. Send current curriculum vitae to: Alsdon J. Lusis, Ph.D., Chair, Genetics Search Committee, c/o Office of the Dean, School of Medicine, 12-138 CHS, Los Angeles, CA 90024-1722. UCLA is an Affirmative Action/Equal Opportunity Employer.

VISITING FACULTY POSITIONS
THE EVERGREEN STATE COLLEGE seeks applicants for four full-time positions: two environmental science, one social studies, and one technology evening/weekend program, and one environmental scientist for introductory day program. Programs are year-long, year-round, and evenings/weekends. Seek candidates excited about team teaching in interdisciplinary setting and who will bring complement of skills in environmental policy and environmental sciences. Candidates for the environmental science positions must be trained to teach some combination of natural history (especially botany), geology, ecology, statistics, communication and environmental ethics. Candidates for the social science position must be trained to teach some combination of environmental history, environmental policy and politics, geography, environmental education, statistics, and community studies. For application procedures call: Faculty Hiring Coordinator, (206) 866-6000 extension 6861, or FAX: (206) 866-6794.

BIOLOGY: Baldwin-Wallace College invites applications for a full-time TENURE-TRACK position beginning September 1, 1994, to teach courses in immunology, biochemistry, microbiology, and general biology. All courses are at the undergraduate level. Candidates must have a Ph.D. in area of specialization and research activity that involves undergraduates is encouraged. Salary is dependent on qualifications. Baldwin-Wallace is a liberal arts college in Berea, Ohio, and seeks applications from qualified individuals interested in teaching at both the undergraduate level and Master's level in business and education. Located in a suburb of Cleveland, the College has a total enrollment of 4800 with a full-time day enrollment of 300. Please send statement of teaching and research interests, curriculum vitae, official transcripts, and three letters of recommendation to: Dr. Stephen D. Hilliard, Chairperson, Biology Department, Baldwin-Wallace College, 275 Eastland Road, Berea, OH 44017—2088. Deadline for receipt of applications is March 30, 1994. Minority candidates are especially urged to apply. Baldwin-Wallace is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITION IN RETINA RESEARCH: The Department of Ophthalmology, School of Medicine, University of Alabama at Birmingham (UAB) School of Medicine invites applications for a faculty position at the ASSISTANT PROFESSOR level. We seek an individual using contemporary molecular technologies to study CELL BIOLOGY OF THE RETINA. The successful candidate will establish a productive, independent research program and obtain extramural funding for research equipment, space, start-up funds for laboratory, departmental shared equipment, and the facilities of UAB's interdepartmental Vision Science Research Center. The candidate will have a qualified individual who should submit curriculum vitae, a statement of research interests, and have three letters of reference. Send application to: Dr. C. Joseph Keener, Administrative Assistant, Department of Ophthalmology, School of Medicine/Eye Foundation Hospital, University of Alabama at Birmingham, Birmingham, AL 35294—0009. UAB is an Affirmative Action/Equal Opportunity Employer.

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**Biological Leadership**

**New Directions in Biotechnology**

In your search for an exciting career opportunity, consider joining our well-funded state-of-the-art biotechnology site. We are committed to the development and production of a new generation of healthcare products through biotechnology.

Positions are available in departments engaged in media preparation, cell culture, fermentation, protein purification, bulk formulation, sterile filtration and analytical development. Some positions involve the start-up of new facilities and the development of new production processes.

Depending on the specific position, job requirements include: B.S., M.S., Ph.D., or equivalent experience in applicable discipline, with specific experience in industrial mammalian cell culture, purification, or media production. Additional positions available in Validation, Biochemical Research & Development, and Cellular and Molecular Biology Research.

Excellent salary and benefits package. Interested candidates are invited to submit resumes to:

**Miles Inc.**
Human Resources
P.O. Box 1986
Berkeley, CA 94701

**MILES**
PHARMACEUTICAL DIVISION

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**FACULTY POSITION IN RADIATION BIOLOGY**

University of Florida College of Medicine

The Department of Radiation Oncology in conjunction with the University of Florida Cancer Center is seeking highly qualified applicants for a tenure track position at the level of Assistant/Associate or Full Professor. Preference will be given to investigators specializing in radiation biology with experience in apoptosis or molecular repair mechanisms as well as a strong interest in developing interdisciplinary research projects. The successful candidate will assist in teaching a course in Radiation Biology and also supervise graduate research projects. As a member of the Radiation Oncology Department, the individual will attend clinical conferences and endeavor to link relevant research to new cancer therapies. The appointee will have excellent laboratory facilities, access to molecular biology core facilities, a competitive salary and an attractive start-up package.

Candidates should have a Ph.D. or M.D./Ph.D. degree, at least three years of postdoctoral training and a record of accomplishments indicating potential for developing a strong, independent research program. The anticipated start date is 10/1/94. Applicants should provide a brief statement of research interests and plans, curriculum vitae, bibliography and three letters of recommendation by May 1, 1994 to:

Gail Z. Anderson, Administrator
Health Science Center
P.O. Box 100277
Gainesville, FL 32610-0277

The University of Florida is an Equal Opportunity/Affirmative Action Employer and specifically encourages applications from qualified women and minorities.

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**RESEARCH MARINE SCIENTISTS**

The Gulf Coast Research Laboratory (GCRL) invites applicants for:

**Marine Fishery Scientists: Requires quantitative skills in fisheries science, especially in fisheries oceanography, population dynamics, and ecology.** Practical experience with crustacean and multi-species demersal fisheries desired. Involves management responsibilities over existing programs, including early life history and recruitment of fishes and crustaceans, assessment and monitoring of coastal resources, physiological ecology, resource development, basic and applied research activities.

**Marine Environmental Scientists:** Background in marine botany with experience in biochemistry, ecotoxicology, physiology, biodiversity, or community and landscape ecology desired. Individual will develop independent research program emphasizing marine/saltmarsh algae or vascular plants.

GCRL is a multidisciplinary marine research institution administered by the University of Southern Mississippi. These are twelve-month, state-funded positions. Applicants are expected to collaborate with a multidisciplinary group of marine scientists in such fields as aquaculture, ecotoxicology, and pathology, environmental chemistry, fisheries, parasitology, and marine biodiversity. Applicants shall have a Ph.D. and a proven funding record, demonstrated publications record, and superior leadership skills. Academic responsibilities include course development and teaching in respective disciplines and guidance of graduate students. Salary commensurate with experience. Please send curriculum vitae, statement of research interest, selected representative reprints, and names of four references to: Mrs. Annie Lee Cachot, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39566-7000. (601-872-4289) Application review will begin April 1, 1994. GCRL is an AA/EOC employer.

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**DEAN SCHOOL OF MEDICINE**

The University of North Dakota invites applications and nominations for the position of Dean of the School of Medicine. The dean is the chief executive and academic officer to the medical school and reports directly to the president of the university.

The School of Medicine is a state-wide, community based medical school with four campuses (Bismarck, Fargo, Grand Forks, and Minot) and numerous preceptorship sites throughout the state. Affiliation agreements with private and public hospitals and the appointment of community physicians to the faculty form the basis for an emphasis on the production of primary care physicians for the region. Graduates are well prepared to enter all medical specialties. Each campus has a separate residency program in family medicine and the school has residency programs in surgery, medicine, psychiatry and a transitional program.

A basic science faculty with a strong tradition and commitment to medical and graduate education and to biomedical research is housed in Grand Forks, the administrative headquarters of the school.

The qualifications for the position include the M.D. degree with board certification and a dedication to the concepts and practices of primary care. It will be essential for the successful candidate to be committed to the tenets of the community-based medical school.

Those interested in applying for the position should send their complete cv to: Dr. Thomas E. Norris, Chair of the Search Committee for Dean, School of Medicine, University of North Dakota, P.O. Box 9037, Grand Forks, North Dakota 58202-9037. Nominations consisting of name, phone number and address should be sent to Dr. Norris. Review of applications will begin as soon as they are received. Applications should be received prior to May 1, 1994.

(The University of North Dakota is an Equal Opportunity/Affirmative Action institution.)

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**CARDIOVASCULAR PHARMACOLOGIST**

SmithKline Beecham Pharmaceuticals has an international reputation for taking an innovative approach to drug discovery and development. Our success is built on the collaboration of multidisciplinary teams of scientists who share ideas and expertise while working in top-flight facilities on projects that are challenging and diverse.

Currently, we are seeking an Associate Scientist in Cardiovascular Pharmacology to assist in applying cellular biochemical and molecular biology approaches to the identification of novel factors that regulate vascular smooth muscle and endothelial cell growth.

This position requires a B.S./B.A./M.S./M.A. in Biomedical Science, 1-3 years' relevant cardiovascular biology experience and a background in cell culture, molecular biology and computers. A working knowledge of vascular pharmacology with emphasis on endothelial and smooth muscle cell biology further qualifies you.

Based in our modern, state-of-the-art research facility in suburban Philadelphia, near Valley Forge, PA, SmithKline Beecham offers a competitive compensation and benefits package. For confidential consideration, please submit your resume and the names of three references to: SmithKline Beecham Pharmaceuticals, Employment Administrator, #94-0550, P.O. Box 679, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham Pharmaceuticals

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GRANTS FOR INTERNATIONAL JOINT RESEARCH
IN THE AREAS OF MATERIALS 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 global environment area will be provided with grants in FY 1994. 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 1994’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>
</table>
| Materials           | 1) **Basic research** concerning the investigation and elucidation of materials  
                      2. **Basic research** concerning the practical use of materials | about 30,000,000 yen in FY 1994 | 6 themes                     | NEDO (Note a.) |
| Global Environment  | **Practical research** concerning the production, generation and use of oil-alternative energy which contributes to the conservation and improvement of the global environment | about 30,000,000 yen in FY 1994 | 1 theme                      | RITE (Note b.) |

*International joint research teams which conduct research in the energy area and the global environment area (basic research) will not be provided with grants in FY 1994.

(Recipients of applications)

**Note a. Materials area**

International Joint Research Division,  
Industrial Technology Department  
New Energy and Industrial Technology Development Organization (NEDO)  
Address: PO Box 1151, 21F, Sunshine 80 Bldg.  
3-1-1 Higashi-Ikebukuro, Toshima-ku,  
Tokyo, 170 Japan  
Phone No.: 81-3-3987-9357  
Telex 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.: 81-7747-5-2302  
Telex No.: 81-7747-5-2314

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 March 10, 1994 to June 10, 1994. No applications will be accepted later than June 10th.

**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.
StFlWmd

The South Florida Water Management District has an exceptional opportunity available.

Distinguished Scientist Aquatic Ecology/Water Resource Management

The qualified candidate will supervise and conduct applied research on problems concerning the aquatic resources of South Florida, including the Everglades, Lake Okeechobee, Kissimmee River and estuarine ecosystems. Candidates are sought either in wetlands ecology and management, or in advanced numerical analysis of environmental data, particularly water quality analysis.

An expert in wetlands science and management is needed to guide critical research on factors structuring South Florida wetlands, while an expert in numerical analysis is sought to design and oversee advanced statistical analysis and interpretations of environmental data and to direct the development of 'state of the science' databases and numerical models.

A Ph.D. in an Environmental Science or Engineering with aquatic experience, and at least 15 years experience in wetlands ecology, limnology, water quality analysis, applied statistics, hydrological/ecological modeling or environmental management is required, as well as an extensive publication record.

SFWMD offers a highly progressive professional environment with a well-defined team approach to achieve mutual objectives. In addition to competitive compensation, excellent benefits and the opportunity for continuing professional development, our employees enjoy many benefits of South Florida living with its wonderful sub-tropical climate, exceptional year-round recreational opportunities and extremely favorable tax advantages.

For additional information, contact Dr. Ken Cummins at (407) 687-2871 or Dr. Laura Tilly at (407) 687-6605 or send your resume and Social Security number to L. Starr, Human Resources, South Florida Water Management District, Ref. #SCILST712B, 3301 Gun Club Road, West Palm Beach, FL 33406.

South Florida Water Management District

The SFWMD is committed to an environment enriched by diversity. We encourage inquiry from all applicants.

EOE M/F/DV

GOAL: COMMERCIALIZATION

COMMERCIAL PROGRESS: At Organogenesis, we’re acting on the strength of our proprietary technology to develop medical devices that will treat defective, traumatised and diseased human tissues and organs, such as skin, arteries, tendons and ligaments. With a commitment to accelerating our research and development, we’re adding new talent to our team.

STAFF SCIENTISTS

CELL BIOLOGY: Candidate will be expected to manage multiple projects in the area of cellular tissue engineering. Areas of research will include collagen fibrillogenesis and extra-cellular matrix assembly. The position requires a Ph.D. with a minimum of 2-4 years post-doctoral experience. Experience in epithelial differentiation, cytokine research, and/or use of in situ hybridization is plus.

CONNECTIVE TISSUE RESEARCH: Candidate will be expected to play a key role in the further development of unique collagen-based medical devices. Areas of research will include collagen fibrillogenesis and extra-cellular matrix assembly. The position requires a Ph.D. with a minimum of 2-4 years post-doctoral experience and a background in the biochemistry or structural biology of collagen or other extra-cellular matrix components.

With state-of-the-art facilities, you’ll be fully equipped to take on the challenges we offer. You’ll also enjoy a competitive salary and benefits package. Reach your scientific goals by sending your resume to: Human Resources Manager, Organogenesis, Inc., 150 Dan Road, Canton, MA 02021.

ORGANOSTOGESIS INC.

JCKO MOUNTAIN CLINIC

BIOLOGICAL SCIENCES

POSITION ANNOUNCEMENT

Head, Department of Veterinary Biosciences

The University of Illinois College of Veterinary Medicine at Urbana-Champaign is seeking an outstanding academician to provide direction and leadership for the Department of Veterinary Biosciences which includes the disciplines of morphology, physiology, pharmacology, toxicology and pathology. Candidates must have a DVM and/or PhD degree and a distinguished record of scholarship to qualify for a tenured, professorial position in the Department. Candidates must also have a sensitivity to student concerns and leadership qualifications. Experience in teaching in a veterinary environment is desirable. Administrative skills and a proven record of success in grantmanship are required. Candidates should have experience and an interest in the recruitment and training of graduate students as well as have expertise in one of the disciplines represented in the department. The Head of the Department of Veterinary Biosciences reports to the Dean and interacts with faculty, staff, professional and graduate students, and College- and University-level administrators.

The appointment is 100% time on a 12-month basis with the Department of Veterinary Biosciences. The position is largely administrative, but the incumbent will be encouraged to teach and conduct research in their area of expertise. Salary and starting dates are negotiable.

Applicants should submit their professional resumes and the names and addresses of three referees to: Dr. J.E. Hixon; Chairman, Search Advisory Committee; Office of the Dean; College of Veterinary Medicine; University of Illinois; 2001 South Lincoln Avenue; Urbana, IL 61801; 217/333-2760.

In order to ensure full consideration, applications must be received by May 15, 1994.

THE UNIVERSITY OF ILLINOIS IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER
INSTRUCTIONAL DEAN
Science, Mathematics and Applied Technologies

Montgomery College, a multi-campus community college, committed to excellence in teaching and to student success, is seeking applications and nominations for the position of Instructional Dean for the Germantown Campus. Located in the most populous, racially diverse, and fastest growing county in the state of Maryland, the College is challenged to provide instructional and co-curricular programs to meet the diverse and changing educational, social, economic, and cultural needs of its community.

The Germantown Campus has an enrollment of approximately 4,000 students (Black = 10%, Asian = 7.1%, Hispanic = 3.8%, Native American = 0.3%, and White = 78.8%) and a steady increase in the number and diversity of the student population is projected. The average age of Germantown students is 30.7 years and the majority of the students (59%) are female. Most students attend the campus part-time and approximately half of the student body take courses at night only.

The opening of the Campus’ $12.4 million High Technology and Science Center in the fall of 1995 represents a significant response to the education and training needs of the community and a challenge to the new incumbent.

The Instructional Dean reports to the Provost of the Germantown Campus and provides leadership in curriculum development and the administration of instructional programs. Academic departments include: Accounting, Business, and Management; Computer Applications, Computer Science, and Office Technology; Mathematics; Engineering and Physical Sciences; and Chemistry, Biology, and Landscape Technology.

Qualifications:

A Master’s Degree or equivalent in one of the above disciplines is required; a doctorate is preferred. Progressively responsible managerial experience is required. The following are desired qualifications and candidates should be able to demonstrate experience or abilities in these areas:

- Communicating in writing and orally
- Working with industry leaders and advisory groups to advance education in technologies
- Providing leadership and direction for the development and modification of instructional programs including budget preparation
- Understanding the impact of technology in classroom instruction on students and faculty
- Solving problems
- Teaching and supervision of teaching faculty in scientific/technical disciplines
- Developing and promoting opportunities for faculty professional growth and staff development
- Working with a culturally diverse community and student body

Salary range is $57,054-$82,160/year, with a starting salary falling within the first half of the range. Excellent fringe benefits.

The position is available May, 1994. Review begins April 8, 1994. Call 301-279-5374 for an application or write to the address below:

MONTGOMERY COLLEGE
Office of Human Resources
900 Hungerford Drive, Suite 130
Rockville, Maryland 20850

MONTGOMERY COLLEGE IS AN
EO/AA/TITLE IX EMPLOYER

Call for Papers . . .

Journal of Biomedical Science

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Journal of Biomedical Science is a rigorously peer-reviewed journal published by S Karger AG, Switzerland devoted to prompt dissemination of original research on fundamental and molecular aspects of basic medical sciences. Review articles of current interest are also invited. While the journal is international in scope, one primary aim is to address the emerging global impact of Asian science. Thus *Journal of Biomedical Science*, sponsored by the National Science Council, Taiwan, has editorial offices in Asia and in the USA. Submissions and inquiries about Instructions to Authors may be directed to either office.

Dr. CC Chang, Editor-in-Chief
S & T Building, Rm. 1701
106 Ho-ping E. Road, Sec. 2
Taipei 106, Taiwan, ROC
Tel. 886 2 737-7594 Fax 886 2 737-7248

Dr. KT Jeang, US Editor
Lab. of Molecular Microbiology
NIAID/NIH Bldg. 4, Rm. 306
Bethesda, MD 20892 USA
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THE UNIVERSITY OF TEXAS MEDICAL BRANCH

The University of Texas Medical Branch (UTMB) at Galveston invites applications and nominations for the position of Chair of the Department of Microbiology and Immunology. UTMB seeks a distinguished M.D. and/or Ph.D. scientist with an outstanding record of significant scientific productivity, a commitment to excellence in teaching both graduate and medical students, and an ability to attract external funding. The candidate should also have the capability to offer scientific leadership to a department covering the broad disciplines of microbiology and immunology and the commitment to lead the department to national prominence and academic excellence. The department occupies space in a new research building.

The Department currently includes 28 full-time faculty members and 11 post-doctoral fellows. The new Chair will have the opportunity to recruit faculty members. The Department is responsible for teaching 210 UTMB medical students annually and has a graduate program with 34 students enrolled.

Interested applicants should send a detailed curriculum vitae, an outline of current and future research interests, and names of three references to: David H. Walker, M.D., Chair, Microbiology Search Committee, Department of Pathology, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609. UTMB is an equal opportunity, affirmative action employer M/F/D/V. UTMB is a smoke-free/drink-free workplace. UTMB hires only individuals authorized to work in the U.S.

Applications are invited from internationally-established scientists to fill three positions at the rank of full professor with tenure in the Depts. of Microbiology, Medical Genetics and Medical Chemistry and Biophysics. Existing research groups, including neighbouring departments (Cell and Molecular Biology, Immunology, Virology, Biochemistry) and a new Center for Molecular Pathogenesis and Structural Biology, provide a stimulating scientific environment in which the successful applicants are expected to develop strong research programmes.

Further information (including application procedure) can be obtained from the Dean of the Faculty of Medicine, Prof. Thomas Olivercrona or from the Registrar of Faculty, Mr. Svante Lampa (Fax +46-90-167660). Postal address: Faculty of Medicine, University of Umeå, S-901 87 Umeå, Sweden.

The closing date for completed applications is April 15, 1994.

UMEÅ UNIVERSITY, SWEDEN

3 PROFESSORS IN THE FACULTY OF MEDICINE:

MEDICAL MICROBIOLOGY (ref: 321-134-94)
MEDICAL GENETICS (ref: 321-135-94)
MEDICAL BIOPHYSICS (ref: 321-136-94)

Applications are invited from internationally-established scientists to fill three positions at the rank of full professor with tenure in the Depts. of Microbiology, Medical Genetics and Medical Chemistry and Biophysics. Existing research groups, including neighbouring departments (Cell and Molecular Biology, Immunology, Virology, Biochemistry) and a new Center for Molecular Pathogenesis and Structural Biology, provide a stimulating scientific environment in which the successful applicants are expected to develop strong research programmes.

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The closing date for completed applications is April 15, 1994.

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

The Swiss Federal Institute of Technology, Lausanne (EPFL, ETH-L) seeks to appoint a Professor of Physical Chemistry of Polymers and Membranes at the associate or full professorial level. The successful candidate is expected to develop a research program at the leading international level in the physical chemistry of synthetic and/or biological polymers and membranes. Candidates should have a strong interest in teaching physical chemistry both at the undergraduate and graduate levels, and are expected to teach in French after some period of adaptation. The appointed professor will be affiliated to the Institute of Physical Chemistry of the Chemistry Department.

Candidates with strong research experience are encouraged to ask the documents pertaining to this position by writing to Présidence de l'Ecole polytechnique fédéral de Lausanne, CE-Ecublens, CH-1015 Lausanne, Switzerland, and to apply before March 15, 1994.

Endowed Chair in Psychiatry

The Ohio State University
College of Medicine
Department of Psychiatry

Applications and nominations are invited for The John D. and E. Olive Braubaugh Endowed Chair at the Full Professor level (with tenure) in the Department of Psychiatry at the Ohio State University College of Medicine. The primary criterion for appointment will be a distinguished record of funded research in an area of psychiatry/neuroscience. Applicants must have the M.D. degree and be board certified in psychiatry. While the primary appointment is in the Department of Psychiatry, eligibility for a joint appointment in one or more of the basic or clinical science departments in the College of Medicine is desirable.

The Department of Psychiatry has several prominent researchers and significant research funding in several areas of basic or clinical research. In addition, the College of Medicine has strengths in a number of areas in neuroscience, and a commitment to enhancing both clinical and basic neuroscience.

The Ohio State University is a major research institution with undergraduate colleges, and the graduate and professional colleges (including medical, dental, veterinary, allied medical, and pharmacy) located on the same campus. Physical facilities are excellent, and the Columbus metropolitan area offers diverse cultural and employment opportunities in its 1.4 million inhabitants.

Applications, including a curriculum vitae and the names of 3-5 references should be sent to:

Henry A. Namallah, M.D.
Professor of Psychiatry
Department of Psychiatry
The Ohio State University College of Medicine
473 West 12th Avenue
Columbus, Ohio 43210
Phone: (614) 293-8283
Fax: (614) 293-4200

Deadline for receipt of applications is May 31, 1994.

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era Veterans, disabled veterans and the disabled are encouraged to apply.
knock, knock.

(That's opportunity knocking. Hint: Turn to page 1467.)

Open this issue of SCIENCE to the special section and you'll open the door to a world of new career possibilities. Inside, you'll find information about exciting open positions from pharmaceutical and biotechnology companies as well as leading scientific and medical institutions. The key to a rewarding future is knowing when opportunity knocks. Every week SCIENCE gives you the chance to review intriguing open positions from all around the world in our weekly recruitment advertising section and in our special sections, such as *Women in Science* and *Biotechnology/Pharmaceutical Careers*. Unlock your career potential by reading SCIENCE. Sometimes opportunity knocks just once.
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Candidates should possess solid academic training in the fundamentals of chemistry with a PhD or MS in either physical, organic, inorganic, or other fields of chemistry which could be applied to ink development. Preferred candidates will have: solution chemistry experience, good experimental laboratory techniques, good analytical problem solving skills, as well as excellent interpersonal, oral, and written skills. Although experience with dyes, pigments, surfactants, or rheology is not necessary, experience in any of these areas is a plus.

Complementing your challenging career is the community of Corvallis, Oregon which is known for its high quality living environment. Corvallis is home to Oregon State University and offers a variety of recreational activities with ocean beaches and mountains within easy driving distance.

Our excellent compensation and benefits package includes cash profit sharing, stock purchase and retirement plans, flexible work hours, and educational assistance. If you are qualified and interested in a challenging position with a leading company in a high growth industry, please send your resume and cover letter referencing the job title you are applying for to: Employment Response Center, Hewlett-Packard Company, Attn: Ad #0404, 3000 Hanover Street, MS 20AZ, Palo Alto, CA 94304-1181. Hewlett-Packard Company is an equal opportunity/affirmative action employer.

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**Biotechnology**

**Microbiologist/Anaerobic Bacteriologist**

Performs basic and applied research in the field of bioremediation. Chief duties involve the cultivation, identification and characterization of aerobic and anaerobic microorganisms isolated from soil and water. A major responsibility will be the establishment and maintenance of a collection of microbial isolates. Working knowledge of the operation and maintenance of anaerobic cultivation systems and knowledge of the principles and practices of mycology and bacteriology are needed. BS or MS in microbiology or a biological science with 1-4 years of related experience is required.

**Petroleum Microbiologist**

Initiates and performs basic and applied research in the fields of bioremediation and petroleum microbiology. Emphasis is on the application of microbiology to existing and future problems of environmental abatement of hydrocarbon and substituted hydrocarbon compounds. Develops bioremediation and bioconversion processes and conducts laboratory and field studies for the biotransformation of PCBs, mineral oil, etc. Serves as a consultant to senior manager, authors scientific articles for peer-reviewed journals and delivers technical presentations at scientific meetings. A PhD in microbiology with emphasis in petroleum microbiology or MS degree in microbiology with 10 years relevant experience is required.

These positions are at our Muscle Shoals location which is on the Tennessee River in northwest Alabama. For consideration, please submit a resume to:

Employment Services
Tennessee Valley Authority
400 West Summit Hill Drive
Knoxville, Tennessee 37902

TVA is an equal opportunity employer. Selections will be made on the basis of merit and efficiency as set out in the TVA Act and applicable laws prohibiting discrimination in Federal employment. TVA may consider for employment only U.S. citizens and others eligible for payment under applicable statutes.
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April 1, 1994

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GLYCOMED is the leader in the discovery and development of a new class of pharmaceuticals based on complex carbohydrates. We are seeking an experienced Organic Chemist for our Medicinal Chemistry Department.

You will design, synthesize and modify glycosaminoglycans and other complex carbohydrate structures and analogs for evaluation in bioassays and animal models. You'll also participate in R&D project teams working on the development of glycomimetics™—carbohydrate-based drugs which mimic the biological effects of complex carbohydrates.

Requires a PhD in Organic Chemistry and a minimum of 2 years of postgraduate experience in the synthesis and manipulation of complex carbohydrates. Experience in the synthesis of glycosaminoglycan oligosaccharides and in the chemical modification of glycosaminoglycans would be an asset. BS or MS and 8+ years' relevant experience will also be considered.

Glycomed offers a competitive compensation and benefits package, including stock options. Send resume and cover letter to: Manager of Human Resources, Glycomed Incorporated, 860 Atlantic Avenue, Alameda, CA 94501. EOE.

Department of Energy Human Genome Program Announcement

Program Notice 94-13: Human Genome Program - Ethical, Legal, and Social Implications

The Office of Health and Environmental Research (OHER) of the Office of Energy Research (ER), U.S. Department of Energy (DOE), announces its interest in receiving applications in support of the Ethical, Legal, and Social Implications (ELS I) subprogram of the Human Genome Program (HGP). The HGP is a coordinated, multidisciplinary, goal-oriented research effort aimed at improving technologies that will lead to a detailed understanding of the human genome at the molecular level. This particular research notice encompasses research grants that address ethical, legal, and social issues that may arise from the use of information and knowledge resulting from the HGP. The DOE especially encourages the submission of applications to conduct multidisciplinary, empirical research on privacy issues from the creation, use, maintenance, and disclosure of genetic information. This may include (but is not limited to) issues of ownership and control of genetic information and the protection of the privacy of genetic information in various settings including the workplace. Applications should demonstrate knowledge of the relevant literature, and should include detailed plans for the gathering and analysis of factual information and the exploration of issues associated with the ethical, legal, and social implications of the knowledge gained from the HGP. All applications should include, where appropriate, detailed discussion of human subjects protection issues; e.g., storage of, manipulation of, and access to data. Where survey techniques are proposed, provisions to ensure the inclusion of women, minorities, and potentially disabled individuals must be described, unless specific exclusions are scientifically necessary and justified in detail. All proposed research applications should address the issue of efficient dissemination of results to the widest appropriate audience.

The DOE is also soliciting applications for the preparation and dissemination of educational materials in any appropriate medium that will enhance public understanding of both the scientific aspects and the ethical, legal, and social implications of the HGP. In addition, the DOE is encouraging applications for the support of conferences focusing on specific issues or areas of concern related to the ethical, legal, and social implications of the HGP. Educational and conference applications should also demonstrate awareness of the relevant literature, and include detailed plans for the accomplishment of project goals, including, where appropriate, video productions. In the case of educational activities, the DOE strongly recommends inclusion of assessments of effectiveness of the proposed activities. In the case of all conferences, a fairly detailed and complete roster of committed speakers is necessary. At the completion of the conference, a summary or report is required. Educational and conference applications must also demonstrate awareness of the need to reach the widest appropriate audience.

Potential applicants are strongly encouraged to submit a brief preapplication that consists of two to three pages of narrative describing the research project objectives and methods of accomplishment. Telephone and FAX numbers are required and electronic mail addresses are desirable. The preapplications will be reviewed relative to the scope and research needs of the DOE's Human Genome Program. They should be received by April 15, 1994. The 1st class US mail address is: Dr. Daniel W. Drell, attn. Program Notice 94-13, Office of Health and Environmental Research, ER-72 (GTN), Washington, DC 20555. For express deliveries, address to D.W. Drell (phone # 301/903-6483), attn. 94-13, US Dept. of Energy, 1990 Geisman Road, Germantown, MD 20874. Address submissions by electronic mail to genome@oehpr1.eere.energy.gov (in ASCII text please). A response to the preapplications discussing the potential project relevance of a formal application generally will be communicated within 30 days of receipt. Materials for preparation of the formal applications will be returned with the responses. Formal applications are due July 14, 1994.

POSTDOCTORAL RESEARCH OPPORTUNITIES

POSTDOCTORAL RESEARCH IN PATHOLOGY
A postdoctoral position is immediately available to study the pathogenesis ofa Chlamydia trachomatis genital infection. Experience in protein chemistry, recombinant DNA, immunology, vaccine development and animal models is desired. Send curriculum vitae and addresses of three references to: Luis M. de la Maza, M.D., Ph.D., Professor, Department of Pathology, Medical Sciences I, D 440, University of California, Irvine, CA 92717-4800. The University of California, Irvine, is an Affirmative Action/Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.

POSTDOCTORAL FELLOWSHIP
Position available in cellular and molecular neurobiology for an M.D. or Ph.D. Research projects involve investigations of mechanisms of neuronal injury and cell death and the elaboration of methods to stimulate or enhance regeneration. Related studies utilize in vitro and especially in vivo animal models of human neurodegenerative diseases that affect cognitive and motoric functions. A good background in neurobiology and familiarity with molecular and/or neuroanatomical methods are desirable. Please, U.S. citizens or permanent residents only (because of funding restrictions). Send curriculum vitae and addresses of three references to: Donald L. Price, M.D., Neuropathology Laboratory, The Johns Hopkins University School of Medicine, 600 North Wolfe Street, Ross Research Building, 720 Rutland Avenue, Baltimore, MD 21205-2196. Equal Opportunity/Affirmative Action Employer. Women, minorities and persons with disabilities encouraged to apply.

POSTDOCTORAL FELLOW POSITION
Position is immediately available to study cellular mucosal immunity in HIV infection. Applicants with Ph.D. or M.D. experienced in HIV virological and immunological assays are preferred. Send curriculum vitae and the names and addresses of three references to: Julie McElrath, M.D., Ph.D., Department of Medicine, University of Washington, Pacific Medical Center, 1111 Ninth Avenue, Suite 2200, Seattle, WA 98101-2699. FAX: (206) 326-4178. Telephone: (206) 326-4177.

INSTITUTE OF ECOSYSTEM STUDIES
CARY POSTDOCTORAL FELLOWSHIP IN ECOLOGY
The Institute of Ecosystem Studies announces the availability of the Cary Postdoctoral Fellowship in Ecology for fall 1994. The Fellow will interact with a diverse group of ecologists and ecosystem scientists. The Fellowship is for one year and may be renewed for a second year. Applicants must have a Ph.D. Submit a statement of research interests, curriculum vitae, and three letters of reference to: Dr. Peter M. Groffman, Institute of Ecosystem Studies, Box AB, Millbrook, NY 12545. Deadline for applications is June 1994. IES is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL FELLOWSHIP
The Laboratory of Growth & Development, California Pacific Medical Center of San Francisco, is seeking a professional to continue investigations on the recently discovered regulation of immune functions by insulin-like growth factors. The focus of this laboratory has been on the biological functions of the insulin-like growth factors and their binding proteins. Immunologic investigations represent a new and challenging extension of our research. The stipend is $25,000 and includes benefits. Travel to at least one meeting a year will be supported. Send resume to: Dr. Martin Spencer, M.D., Ph.D., Laboratory of Growth & Development, CPMC, P.O. Box 7999, San Francisco, CA 94120. Equal Opportunity Employer.

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW
Available July 1, 1994, to study cellular and molecular immunology and related fields of research. The candidate will work closely with other members of the group and will have the opportunity to be involved in studies of human T cell function, MHC restriction, signal transduction, and T cell functions. Send curriculum vitae and references to: Dr. S.R. Sarno, Department of Veterinary Immunology, University of Wisconsin, Madison, WI 53715. Equal Opportunity/Affirmative Action Employer. M/F/D.

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOWSHIP
Available immediately, to study the role of Phospholipids and GPI binding proteins in signal transduction mechanisms in irinoid smooth muscle. The applicant must have a Ph.D. in Biochemistry of Pharmacology and some experience in the field of second messengers. Send curriculum vitae and names of three references to: Dr. Atta Abdi-Rof, Department of Chemistry and Molecular Biology, University of Georgia, Athens, GA 30602. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS
Several positions are available to work on endocrine regulation of human fetoplacental unit, reproductive tract, brain, nuclear receptors for protein hormones and nuclear eicosanoid biosynthetic enzymes. Candidates with experience in those areas are encouraged to apply. Send curriculum vitae and a statement of research interests to: Dr. David W. Giguere, Department of Biochemistry and Molecular Biology, University of Wisconsin-Madison. Tel: (608) 263-2511, Fax: (608) 263-2566. EOE/AA/ADA.

NEUROSCIENTIST/NEUROPATHOLOGIST
The New York Hospital–Cornell Medical Center
Department of Pathology is searching for a neuroscientist (M.D. or Ph.D.) who is Board certified or Board eligible in neuropathology. The individual would be expected to develop an independent basic science research program in areas related to neuroimmunological and neurobiological function. Other responsibilities would include participation in the diagnostic neuropathology service and in the teaching of residents and medical and graduate students. Financial support is available to establish new research programs. Strong programs in neurology and neurosciences at the institutions of neighboring Rockefeller University and New York University Medical Center offer outstanding opportunities for collaboration. Academic rank and salary will be commensurate with experience and scholarly accomplishments. Interested candidates should submit curriculum vitae and the names of three references to: Dr. Bernard W. Stone, Chairman, Department of Pathology, The New York Hospital–Cornell Medical Center, 525 East 68th Street, New York, NY 10021. Cornell University Medical College is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE
The Immunology Laboratory of the Blood Center of Southeastern Wisconsin seeks qualified individuals to work in the fields of molecular biology, virology, or molecular virology. Positions are available for Ph.D. candidates in molecular virology. Send curriculum vitae and references to: Dr. Edward C. Sarosi, Department of Pathology, Blood Center of Southeastern Wisconsin, P.O. Box 2178, Milwaukee, WI 53201. FAX: (414) 387-6284. Equal Opportunity Employer.

RESEARCH STAFF POSITIONS
The Hematology/Oncology Research Program of the Blood Research Institute, the Blood Center of Southeastern Wisconsin seeks qualified individuals (M.D., Ph.D., and/or M.D./Ph.D.) for research positions in all areas of hematologic/oncologic research. Both basic and clinical research opportunities are available, ranging from basic molecular biology or cell biology research to studies of drug metabolism and/or cell biology. Experience in hematology/oncology or related field is essential. Send CV and references to: Dr. John W. Slade, Chair, Department of Hematology/Oncology, Blood Research Institute, The Blood Center of Southeastern Wisconsin, P.O. Box 2178, Milwaukee, WI 53201. FAX: (414) 935-5802. Equal Opportunity Employer.

KBB, INC.
KBB, Inc. is a small, multidisciplinary research and development firm located in Rockville, Virginia. Our specialty is the application of state-of-the-art technology to solving our customers' problems. We are looking for creative, highly motivated scientists with a strong record of achievement in either private industry or academia.

Molecular Biology. Several positions are available. Candidates must have a B.S. in biology with strong laboratory skills and 2 to 5 years of experience in PCR, DNA sequencing and genetic identification technologies. Research chemists are needed to have a B.S. in chemistry or related field with at least 5 years of hands-on research experience.

Computer Scientists. Candidates should have a B.S.-Ph.D. in computer science. At least 5 years of experience is required in the design and implementation of AI systems.

Qualified candidates may send their resumes to: KBB, Inc., P.O. Box 12, Oakton, VA 22124. An Equal Opportunity Employer, M/F/H/V.

PEDIATRICS NEWBORN SERVICES
The Department of Pediatrics at the University of Michigan is seeking two developmental biologists, Neuroanatomists for the Section of Newborn Services in the Department of Pediatrics, University of Michigan, research or tenure track (Research Investigator through Research Scientist or Lecturer through Professor, respectively). The two individuals must have a strong background in molecular biology with a career commitment to research positions in either developmental biology, M.D., Ph.D., or Ph.D. will be considered. Newly constructed research space/facilities available. Interested applicants should contact: Dr. Robert B. Swanson, M.D., B.O. Box 0254, L3023 Women's Hospital, University of Michigan Medical Center, 200 East Huron Drive, Ann Arbor, MI 48109. Telephone: (313)-763-4109. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS FOR WOMEN, MINORITIES, AND OTHER UNDERREPRESENTED GROUPS
Applications are invited from women, minorities, and other underrepresented groups to pursue postdoctoral research in the Pathology Department of the University of Michigan. This research is supported by an American Cancer Society Institutional Grant and a grant from The Petroleum Research Fund of the American Chemical Society. Applications are invited from woman postdoctoral fellows in the field of cancer research. Research may be in any area of basic or clinical cancer research. Applicants must have a Ph.D. or M.D. in cell biology, molecular biology, biochemistry, or related fields. Send curriculum vitae and names of three references to: Dr. Gerald B. Weiss, University of Michigan, 1500 East Medical Center Drive, Ann Arbor, MI 48109. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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

ECONOMIST
The Department of Economics at the University of Michigan, Ann Arbor, is seeking a full-time economist to supervise the work of research assistants. The manager of the office supervises approximately 80 people and is expected to handle a variety of administrative and supervisory tasks. Applicants should have some experience with computer systems and data processing. A Ph.D. in economics or a related field is preferred, but candidates with less experience will be considered. The position includes a competitive salary and benefits package. Interested candidates should send a curriculum vitae and names of three references to: Dr. Horst B. Hamaekers, University of Michigan, 1084 Social Sciences Building, Ann Arbor, MI 48109. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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

POSTDOCTORAL POSITION
The Laboratory of Cell Biology, Roswell Park Memorial Institute, Buffalo, N.Y. (an Equal Opportunity/Affirmative Action Employer), has a position available immediately for a postdoctoral fellow. This opportunity is open to qualified applicants of any gender and race. The laboratory is engaged in several studies of cell biology and their applications to cancer research. The applicant will study the cytoskeleton and the cell surface using the techniques of immunofluorescence and confocal microscopy. Candidates should have a Ph.D. in cell biology, biochemistry, or molecular biology. Send curriculum vitae and names of three references to: Dr. Roger A. Klein. Roswell Park Memorial Institute. 666 Elk Drive. Buffalo, N.Y. 14263.

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Novo Nordisk Biotech, Inc., an applied research institute, has been established as a wholly owned subsidiary of Novo Nordisk A/S, a major international Danish industrial biotechnology and pharmaceutical company. Novo Nordisk Biotech, Inc., located in Davis, CA, is focusing on the cloning, expression, mutagenesis and characterization of industrial enzymes.

Scientist, Protein Chemistry/Enzymology
Ph.D. in Biochemistry or related field with post-doctoral experience and a background which includes organic or bioorganic chemistry. Candidates must also have a strong background in protein chemistry including the areas of protein purification and enzymology. Experience working with proteases would be advantageous.

The successful candidate will be responsible for protein purification, biochemical characterization, enzyme kinetics and structure-function studies within a project team.

If you are interested in a challenging research position with the world's leading producer of industrial enzymes and meet the above criteria, please send your C.V. with a list of three references for consideration, in confidence, to: Novo Nordisk Biotech, Inc., Department of Human Resources, 1445 Drew Avenue, Davis, CA 95616. We are an Equal Opportunity Employer.

THE RICHARD STOCKTON COLLEGE
OF NEW JERSEY

The Division of Natural Sciences and Mathematics is seeking individuals to fill several teaching positions for Fall 1994. Stockton is a state-supported undergraduate, liberal arts and sciences college located in the New Jersey Pine Barrens near Atlantic City, one hour from Philadelphia. The area offers unique research opportunities because of its location and the installation of a major geothermal heating and cooling system. Majors are available in Biology, Chemistry, Environmental Studies and Geology, Marine Science, Mathematics and Physics; a combined-degree Engineering program is growing rapidly. All faculty teach in program and general studies areas, do research involving students, and participate in college activities. Applicants should have completed the doctorate or be in the last stages of completion. Salary range is $28,801-$36,603 for full-time and $14,400-$18,300 for half-time; salary may be higher depending on qualifications, experience and increases in the New Jersey Higher Education Compensation Plan.

BIOLOGY: Prokaryotic Molecular Biology/Biotechnology and Microbiology. Instr./Asst. Prof., Tenure-Track. Teaching includes General Biology, Genetics, Microbiology, Prokaryotic Molecular Biology/Biotechnology.

CHEMISTRY: Applied Instrumental Chemistry. Instr./Asst. Prof., Tenure-Track. Teaching includes Introductory Chemistry, Laboratory Methods, student-based research; environmental emphasis preferred.

GEOLOGY: Mineralogy, Petrology, Geochemistry. Instr./Asst. Prof., Half-time. Teaching includes introductory course for non-majors, Physical Geology, Mineralogy, Petrology, Geochemistry with an environmental emphasis.


Screening begins March 31, 1994. Send letter of application, resume, three letters of recommendation, and evidence of completion or expected date of completion of Ph.D. to Dr. Barbara Byrne, Dean of Natural Sciences and Mathematics, Richard Stockton College of New Jersey, AA29, Pomona, NJ 08240. Stockton is an AA/EOE. Women and minorities are encouraged to apply. R403558.
**Vice President Research and Development**

We are currently seeking a creative, articulate, hands-on research leader who is capable and motivated to help build a successful stress protein-based vaccine program.

The individual we seek will have extensive experience in vaccine development. The successful candidate will have a Ph.D. and/or M.D. in a medically related discipline such as molecular biology, cellular immunology, biochemistry or cellular biology. A minimum of 8 years experience in the management of multidisciplined research and development functions is mandatory. A solid understanding of research strategy and vaccine development is essential. A track record that includes successful management of research programs resulting in products taken to the IND stage is preferred.

Located in Victoria, British Columbia, STRESSGEN offers a challenging and stimulating scientific environment in the natural setting of Vancouver Island. STRESSGEN offers a generous benefits package and competitive salary for this position.

Please send C.V. with references and salary requirements to:

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**The Liposome Company, a rapidly growing leader in the field of lipid-based drug delivery systems, has the following immediate opportunity available:**

**POST DOCTORAL/RESEARCH SCIENTIST**

We are seeking an individual with 1-3 years' post-doctoral experience in Tumor Biology/Immunology and/or Pharmacokinetics and tissue distribution of drugs.

Responsibilities will include investigation of experimental therapeutics of human cancers in immunodeficient scid mice, drug delivery to human cancers and the role of host defense systems in anti-tumor responses. The qualified candidate will also have experience in the mechanisms of drug action and drug delivery systems.

*In addition to a creative environment, we offer a competitive salary and comprehensive benefits. Interested candidates please send your resume to: Human Resources Department, One Research Way, Princeton, NJ 08540. An Equal Opportunity Employer.*

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(Interested in a new position? Turn to page 1467.)

It's no secret that you can find the best information on new career opportunities in SCIENCE. Each issue provides a comprehensive listing of open position descriptions from top pharmaceutical and biotechnology companies, as well as leading scientific and medical institutions. The way to uncover a rewarding future is to know where to look for the best career opportunities. SCIENCE gives you the chance to review intriguing open positions from all around the world in our weekly recruitment section and in our special sections, such as *Women in Science* and *Biotechnology/Pharmaceutical Careers*. The next time you consider a new position look in SCIENCE before the secret gets out!
The Department of Microbiology and Immunology at Eastern Virginia Medical School is seeking outstanding candidates for a tenure-track faculty position at the rank of Assistant, Associate or Full Professor in the area of Molecular Pathogenesis beginning March 1, 1995. We are seeking individuals who are employing molecular approaches to study pathogenic mechanisms of disease, including diagnostic and therapeutic strategies. Preference will be given to individuals working with viral systems, although individuals studying other systems are encouraged to apply. The successful applicant must have an independent, established and funded research program as well as experience in teaching medical and graduate students. Competitive salary, space and start-up packages are available. This is an excellent opportunity to join a group of existing faculty with active research programs in numerous areas of molecular and cellular biology including molecular genetics and pathogenesis of cytomegalovirus, oncogenes and tumor suppressor genes in cancer, signal transduction, gene regulation, cell growth and differentiation, cellular immunology, and prostate tumor biology and immunology. In addition, the Department is associated with a strong clinical and basic research program in infectious disease through the Department of Pediatrics. Interested applicants should send a curriculum vitae, a statement of research interests, relevant reprints and the names and addresses of four references by August 1, 1994 to: Dr. Richard M. Stenberg, Chairman, Search Committee, Department of Microbiology and Immunology, P.O. Box 1980, Eastern Virginia Medical School, Norfolk, VA 23501, An Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTISTS
Triplex Pharmaceutical Corporation, a rapidly growing, well-financed, biotechnology company focused on developing novel therapeutics for cancer and viral infections seeks key scientists in the following areas.

SENIOR SCIENTIST-BIOCHEMISTRY
The successful candidate will lead our efforts in designing improved triple helix forming oligonucleotides. This will require a strong background in nucleic acid chemistry, extensive experience in nucleic acid-nucleic acid/protein interactions and familiarity with molecular modeling, particularly as it relates to oligonucleotide interactions.

SENIOR SCIENTIST-ONCOLOGY
The focus of research will be oligonucleotide-mediated repression of transcription of genes important in the development of human cancers. The qualified applicant will have proven expertise in genetics and molecular biology of cancer, along with experience in cell growth, metastasis or angiogenesis. Candidates should also have experience in protein biochemistry and tissue culture.

SENIOR SCIENTIST-VIROLOGY
This position will contribute to the increased understanding of the efficacy and mechanism of action of oligonucleotide-based antiviral agents. The qualified candidate will have extensive experience in molecular virology with an emphasis on hepatitis (HBV) or herpes (HCMV) viruses. A strong background in the biology, genetics, molecular biology, biochemistry or immunology of viral infections in vitro and in vivo is also required.

POST-DOCTORAL RESEARCH SCIENTIST
- OLIGONUCLEOTIDE CHEMISTRY
The successful candidate will participate in the preparation and characterization of novel oligonucleotide conjugates to enhance the affinity and cellular uptake of triple helix forming oligonucleotides. A Ph.D. in Organic/Biochemistry and previous experience in oligonucleotide synthesis is required.

All Senior Scientist positions require Ph.D. degrees in Molecular Biology, Biochemistry, Biology or related field and 3-10 years postdoctoral experience. The ability to exercise leadership and initiative as well as contribute to project development and extra-mural collaborations in a fast-paced, multi-disciplinary environment is essential for all positions.

TRIPLEX is located in an attractive community north of Houston offering access to the Baylor College of Medicine, Texas Medical Center, Rice University and the University of Houston. The Company offers competitive salaries and benefits as well as opportunities for publication and rapid career growth in an exciting research program. For immediate consideration, please send CVs with reference to: Human Resources Manager, Triplex Pharmaceutical Corporation, 9391 Grogan's Mill Road, The Woodlands, TX 77380/ or Fax: 713/363-1168 Equal Opportunity Employer.

POSITION ADVERTISEMENT
TOXICOLOGIST
The Department of Pharmacology School of Pharmacy University of Mississippi

The Department of Pharmacology is seeking to fill a 12-month tenure track Assistant / Associate Professor position. The candidate should have the Ph.D. in Toxicology, or in closely related disciplines with experience in toxicological research. The successful applicant is expected to develop and maintain an independent, recognized externally funded research program, and to teach and advise graduate level research and professional students. Training and / or experience in the application of molecular biological techniques to the effects of contaminants in aquatic, marine or terrestrial organisms are especially desired. The candidate will be expected to teach in the areas of molecular genetics and/or pharmacokinetics for undergraduate pharmacy students. Initial application review will begin April 1; however, applications will be received until the position is filled. Salary is competitive, and based on experience and qualifications. Candidate should send curriculum vitae, representative reprints, a synopsis of their current and future research interests and teaching philosophy, and if available, a teaching portfolio, as well as the names, addresses, and telephone numbers of three references to:

Administrative Manager School of Pharmacy Business Office 206W Fayer Hall University of Mississippi University, MS 38677

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PIONEER HI-BRED INTERNATIONAL, INC.
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POST DOCTORAL, Discovery Research (JOB #13 / TM - JORGENSEN) - A post doc position is immediately available in the area of ligand-receptor interactions. EDUCATION / EXPERIENCE: Ph.D in biochemistry or related field with experience in the characterization of receptor / ligand interactions.

SENIOR RESEARCH ASSOCIATE, Vegetable Seeds (JOB #1354 - A - BLACKETER). The successful applicant will have experience in transformation / cell biology in cucurbits, tomato or other vegetable or fruit species. The individual will participate in plant improvement programs in these species. Demonstrated ability to complete projects in a timely manner is a must. In addition, a working knowledge of molecular biology and analysis of transgenes in plants would be an asset. This staff position is an integral part of the Pioneer Vegetable Genetics research program to produce proprietary products in targeted species and regions worldwide. Project areas will complement the business needs of the project. Strong interpersonal skills will be required to develop collaborations both within Pioneer Hi-Bred's extensive research program and external public and private organizations. EDUCATION / EXPERIENCE: MS or equivalent in cell or molecular biology or a related field plus 4 years of relevant research experience. Experience in running field tests of transgenic organisms and experience in using computers are desirable.

SENIOR RESEARCH ASSOCIATE, Gene Expression (JOB #1376-A-JORGENSEN). The primary responsibility of this position is to isolate and characterize promoters and other regulatory elements contributing to both general and tissue-preferred gene expression, for use in designing and constructing plant transformation vectors for use in developing insect resistant maize varieties. The successful candidate will work both independently and with other individuals and research groups on design and execution of experiments, as well as on expression analysis and data interpretation. EDUCATION / EXPERIENCE: MS degree or equivalent in molecular biology, genetics, or related field, plus at least 4 years of directly relevant research experience. Applicants should have a) experience with standard molecular biology techniques including DNA and RNA isolation, cloning, library construction and screening, PCR, etc., b) familiarity with computers and sequence analysis methods and c) good organizational and communication skills.

Applications received by April 8, 1994 will be assured of consideration. However, applications will be considered until the positions are filled.

Pioneer offers competitive salaries, excellent facilities and a highly cooperative research environment. Pioneer Hi-Bred International, Inc. is an Equal Opportunity employer. Please send TWO sets of resume information for each position you are applying. Indicate the JOB # on the envelope and your correspondence including the names, addresses and telephone numbers of three references to:

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As a member of our Biotechnology Development operation in Union, NJ, you will participate in challenging projects involved in laboratory and pilot plant scale-up for the development and improvement of microbial fermentation processes. This will include the integration of microbial genetics and physiology fundamentals with fermentation engineering principles.

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The Eleventh Symposium:

"Recent Advances in Immunology, Biochemistry, and Molecular Biology of Tropical Diseases: International Health"

Monday, April 4, 1994
8:00 a.m. - 5:00 p.m.

The School of Graduate Studies and Research and The Division of Biomedical Sciences present a one-day symposium on the Meharry campus. This symposium brings together molecular biologists, immunologists and biochemists in the southeastern region of the United States who share an interest in parasitic disease research.

The presenters and topics for the six sessions are: RONALD BLANTON, M.D., (Case Western Reserve University), "Schistosome Serine Protease Inhibitors;" MANUEL PATARROYO, M.D., (Instituto de Immunologia, Bogota, Colombia), "Malaria Vaccine;" WILLIAM BERTRAND, Ph.D., (Tulane University School of Public Health), "Computer Based Learning in Tropical Disease Research;" LEE RILEY, M.D. (Cornell University Medical College), "Molecular Biology of Tuberculosis;" DON HARN, Ph.D., (Harvard School of Public Health), "Specific Oligosaccharides in Schistosomiasis;" DANIEL COLLEY, Ph.D. (Centers for Disease Control and Prevention), "Idiotype Interactions and Schistosomiasis;"

Registration...The registration fee for the symposium is $75 with graduate students paying $30. For more information call: Dr. George C. Hill, Director, Division of Biomedical Sciences, Meharry Medical College, Nashville, TN 37208, (615) 327-6193 phone, (615) 321-4694 fax, INTERNET / HILL1GEG75@CCVAX.MMC.EDU.
PUBLIC MEETING, COMMITTEE ON BIOLOGICAL EFFECTS OF IONIZING RADIATION (BEIR V3): HEALTH EFFECTS OF EXPOSURE TO RADON—The National Research Council is reassessing the biological effects and risks to human health due to radon and its radioactive progeny. Scientists and the public are invited to comment on the cellular and molecular actions, dosimetry, and health risks of radon exposure at a public meeting at 10:00 a.m., Monday, April 4, 1994, at the National Academy of Sciences Building, 2101 Constitution Avenue, NW, Washington, DC. Please notify Dr. Evan B. Douple by Telephone: (202-334-2232) or FAX: (202-334-1639) of your interest in attending this meeting.

ANNOUNCEMENTS

CAREER CHANGE OPPORTUNITY

This unique program offers the candidate with an earned doctorate in the sciences the opportunity to obtain the Doctor of Optometry (O.D.) degree in two calendar years. Employment opportunities exist in private practice, industry, education, and research. Contact: Dr. D. Chauncey, Program Director, Accelerated Program, The New England College of Optometry, Room 5, 424 Beacon Street, Boston, MA 02115.

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