New from AAAS

Molecules to Models
Advances in Neuroscience
Edited by Katrina L. Kelner and Daniel E. Koshland, Jr.

This collection of current Science magazine articles in the neurosciences provides a comprehensive survey of the field. It is especially valuable for graduate students who want to gain a broad understanding of the neurosciences, and for neuroscientists who want to learn more about other areas of the field.

Topics include: Use of molecular biological techniques to elucidate sequences and structure of ion channels; advances in understanding the extracellular signals controlling the growth of neuronal axons; overview of human and animal memory and its cellular basis; the use of classical and noninvasive brain imaging techniques to understand the function of the cortex; progress in neural modeling of brain function; and application of basic neurobiology to human clinical problems such as alcoholism, drug dependency, and neurological and psychiatric disease.

Contributors include: William A. Catterall, Joseph B. Martin, Corey S. Goodman, Michael I. Posner, Terrence J. Sejnowski, and many other specialists in the field of neuroscience.

Biological Systems
Edited by Barbara R. Jasny and Daniel E. Koshland, Jr.

This collection of Science magazine articles explores some of the diverse biological systems used in research today. The authors describe major experimental systems in terms of the state of the art, potential advantages, and possible disadvantages for particular kinds of research.

Organisms explored range from retroviruses to humans, and the aspects of biological processes in which they have been applied include developmental and molecular biology, genetics, immunology, and behavior. Genetic engineering is also discussed as a means of designing optimal systems for basic research and the biotechnology industry.

The information presented will be especially useful to graduate students and to all researchers interested in learning the limitations and assets of biological systems currently in use.

Order from: AAAS Books, Dept. SM, P.O. Box 753, Waldorf, MD 20604 (FAX: 301-843-0159). To order by phone (VISA/MasterCard only), call 301-645-5643 (9am-4pm ET) and ask for AAAS. Individuals must prepay or use VISA/MC. For institutional purchase orders, add $3.50 postage & handling. Please specify item #, and allow 2-3 weeks for delivery. For shipments to CA, add applicable sales tax.
The Department of Pediatrics, University of California San Francisco, is seeking a faculty member to fill the position of ASSISTANT PROFESSOR in residence level to participate in the activities of the endocrine division. Candidates must be experienced in molecular biology research with established records in nucleic acid purification, protection, and cloning, and sequencing DNA from phage and cosmid libraries. A special interest in steroid hormone receptors is especially desired. The position is open. For further information, contact: Dr. G. B. Faiman, Department of Agriculture Engineering, University of Minnesota, St. Paul, MN 55108. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

The Department of Oncology and Neurological Sciences, University of Western Ontario, seeks an individual with interest in molecular genetics of glioma, glial oncogenesis, molecular cellular biology of glia, or related fields, for ASSISTANT PROFESSOR faculty position. Applicants must have a Ph.D. or M.D. degree, postdoctoral experience, and the ability to establish an independent research program. Environment includes modern laboratories in a new cancer centre, research programs in aspects of molecular and cellular oncology, molecular biology centre and research centre, and academic clinical brain tumor program with interests in glioma and investigational treatments. Send curriculum vitae, three letters of recommendation, and three references to: Dr. J. Gregory Cairncross, London Regional Cancer Centre, 790 Commissioners Road, East, London, Ontario, Canada N6A 4L6.

The University of Massachusetts Amherst invites applications for positions in the department of Food Science. Positions range from ASSISTANT PROFESSOR to ASSOCIATE PROFESSOR and are available immediately. The University of Massachusetts Amherst is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

The University of Texas at Dallas invites applications for the position of Assistant Professor in Parasitology. The Department of Veterinary and Biomedical Sciences at the University of Texas Health Science Center at Dallas is seeking a faculty member at the rank of Assistant Professor. The successful candidate will have a Ph.D. or equivalent degree in parasitology or a closely related field. The candidate must have demonstrated research in parasitology and a strong commitment to teaching and research. Applications to: Assistant Professor Search Committee, Department of Veterinary and Biomedical Sciences, University of Texas Health Science Center at Dallas, 9414-0978. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

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The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.
ACADEMIC ADMINISTRATOR, BIOLOGY

Manage daily operation of dynamic, multidisciplinary university department. Requires knowledge of financial management, budgeting, computers, undergraduate and graduate academic programs, and an understanding of the needs of laboratory research, including the management of extern grants and laboratory facilities and operations. Prefer person with experience in research and teaching.

Please send résumé, three references, and salary requirements to:

Dr. K. C. Hayes, Biology Department
Brandeis University, P.O. Box 9110
Waltham, MA 02254

An Equal Opportunity/Affirmative Action Employer.

BIOLOGIST/ENVIRONMENTAL CHEMIST

The U.S. Geological Survey in Lakewood, Colorado, seeks a biologist/environmental chemist for investigation of carbon isotope transfer among soil, water, air, vascular plants, and other biota. Knowledge of multidiscipline approaches to ecology, environmental chemistry, and hydrology is important. Experience in isolation of carbon transfer processes, gas chromatography, and 14C counting is desirable. Candidates should have a Ph.D. or equivalent research experience in a related field. The appointment is for a 2-year term with the possibility of conversion to a permanent position. Salary is at the GS 11/12/13 level ($29,891 to $55,381) depending on the candidate's background. Please submit by 10 June 1990 curriculum vitae, three letters of reference, and a statement of research interests to: Robert Striegler, U.S. Geological Survey, MS 413, Box 25046, Denver, CO 80225-0046. U.S. citizenship is required. U.S. Geological Survey is an Equal Opportunity/Affirmative Action Employer.

CHAIRMAN

DEPARTMENT OF CLINICAL DENTISTRY

Nominations and applications are invited for the position of chairman of clinical dentistry at the University of Rochester. We seek an academician with proven administrative abilities to provide innovative leadership for an established department with an excellent reputation for clinical care, postgraduate medical education, and research. The department, currently composed of six full- and seven part-time faculty members, includes a residency program in general dentistry having eight residents and a residency program in oral surgery having four residents. The clinical service involves approximately 9000 clinic visits and 250 inpatient consultations annually. There are abundant opportunities for collaborating in basic and clinical research with faculties of the Department of Dental Research at the University of Rochester and the Eastman Dental Center. Please send nominations and applications to:

Ronald A. Gabel, M.D., Chairman
Clinical Dentistry Survey/Search Committee
University of Rochester School of Medicine and Dentistry
601 Elmwood Avenue, Box 605
Rochester, NY 14642

The University of Rochester is an Equal Opportunity Employer.

ENGINEER IN ORTHODONTICS

Ph.D. engineer, biomechanics. A full-time tenure-track position, available 1 July 1990, involves research collaboration with an active clinically oriented musculoskeletal physiology group. Teaching responsibilities include biomechanics at the undergraduate and graduate levels. The primary appointment will be at Indiana University School of Dentistry (IUSD) with an adjunct appointment in the Department of Mechanical Engineering, Purdue University. School of Engineering and Technology at Indianapolis. The research focus of the department is dental implants, temporomandibular joint physiology, and gravitational biology. The faculty member is expected to develop and sustain external research funding. Salary and rank commensurate with experience. Review of applications will begin 15 May 1990, and continue until the position is filled. Send a letter of application, current curriculum vitae, and three references to: Dr. W. Eugene Roberts, Chairman, Department of Orthodontics, IUSD, 1212 West Michigan Street, Indianapolis, IN 46202.

Pharmaceutical Discovery
Molecular Biology

The Du Pont Pharmaceuticals Division of the Medical Products Department is expanding its programs in Applied Molecular Biology and has immediate openings for two Principal Investigators. At Du Pont, we believe that innovative molecular biology research will provide new approaches, tools and targets, that when combined with our strong conventional drug discovery programs, will lead to the therapeutics of the future.

You will find a highly stimulating scientific environment in a modern research facility located near Wilmington, Delaware. We offer excellent compensation and benefits. Interested candidates are encouraged to provide an attractive life-style with easy access to a wide range of academic, cultural and recreational activities. Interested candidates should send their resume and references to Employee Relations Department, Room PSS-0010, Du Pont Company, Wilmington, DE 19898.

Mammalian Expression Systems

Demonstrated experience in the expression of recombinant genes in mammalian tissue culture systems is essential. Design and utilization of a variety of vector systems and host cells is preferred. A background in the development of engineered mammalian cell lines for pharmaceutical screening is desirable.

Receptor Cloning

Experience in cDNA cloning and a strong background in recombinant DNA technology is required. Preference will be given to candidates with experience in the molecular biology of receptors or membrane proteins. A background in expression cloning, subtractive hybridization, cell sorting or neuroscience would be advantageous.

You will find a highly stimulating scientific environment in a modern research facility located near Wilmington, Delaware. We offer excellent compensation and benefits. Interested candidates are encouraged to provide an attractive life-style with easy access to a wide range of academic, cultural and recreational activities. Interested candidates should send their resume and references to Employee Relations Department, Room PSS-0010, Du Pont Company, Wilmington, DE 19898.

Molecular and Cell Biologists

The Procter & Gamble Company has immediate entry-level openings in the Corporate Research Division at the Miami Valley Laboratories in Cincinnati, Ohio. The positions are in a drug discovery group studying connective tissue disease. Other positions require a Ph.D. (with or without postdoctoral training) and must include experience in one or more of the following: eukaryote molecular biology, cytokine or growth factor research, and biology of bone or cartilage.

Procter & Gamble is a world leader in the research, development and manufacture of consumer products in the pharmaceutical, health and beauty aid, food and beverage, paper, soaps and detergents areas with sales of $21.4 billion and an R&D budget of $628 million. We are the 14th largest U.S.-based corporation and were recently named as the 4th most admired corporation by Fortune magazine. Recent emphasis and growth in the health, beauty aid, and pharmaceutical areas provide unusually good opportunities for personal and professional growth for successful applicants in these positions.

Candidates must be presently authorized to work in the U.S. on a full-time basis and should send their resumes and publication lists to:

Dr. T. J. Logan, Manager
Ph.D. Recruiting, Box CRD
The Procter & Gamble Company
Miami Valley Laboratories
P.O. Box 398707
Cincinnati, Ohio 45239-8707

An EQUAL OPPORTUNITY Employer

Procter & Gamble

18 MAY 1990
POSITIONS OPEN

CHAIRMAN, DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS,
UNIVERSITY OF FLORIDA,
GAINESVILLE, FLORIDA

Nominations and applications are requested for the position of chairman of the Department of Pharmacology and Therapeutics of the University of Florida College of Medicine. The college seeks an individual who possesses individual nominations of qualified candidates with demonstrated strong leadership abilities. The candidate should have an established and continuing record of major research productivity. The candidate should have a commitment to the further development and enhancement of the research and teaching programs of the department. Applications and nominations are invited at this time. Outstanding candidates will be considered. Applications including curriculum vitae, bibliography, and the names and addresses of at least three references should be sent by September 15, 1990.

James E. McGuigan, M.D., Chairman
Search Committee for Pharmacology and Therapeutics
Chairman, Department of Medicine
University of Florida College of Medicine, J-277
Gainesville, FL 32610
An Equal Opportunity/Affirmative Action Employer.

MANAGER, SCIENTIFIC AFFAIRS

Microbiological Associates, Inc., is the world’s leading contract laboratory for the safety evaluation of biopharmaceuticals. Our modern facilities in Rockville, Maryland, and Stratford, Connecticut, provide the testing and evaluation needs of the European, Japanese, and U.S. pharmaceutical and biotechnology industries.

Due to continued expansion we are seeking a manager, scientific affairs, for our Biotechnology Division. The person appointed will have 8+ years of postdoctoral experience and a general scientific reputation in molecular biology and molecular biology, coupled with substantial management experience in the commercial side of the biopharmaceutical industry.

The position will provide a significant degree of scientific and entrepreneurial independence. Business development will be an important component of the job. In addition, this position will carry overall responsibility for the quality of the scientific work performed. The appointee will have the support of 40 graduate and postgraduate scientists.

Salary and benefits will reflect the importance of this position. You are invited to apply for this position by forwarding your curriculum vitae to:

Microbiological Associates, Inc.
Life Sciences Center
9900 Blackwell Road
Rockville, MD 20850
Equal Opportunity Employer, M/F/H/V.

FACULTY POSITIONS

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY,
FACULTY POSITIONS

The Department of Obstetrics and Gynecology is seeking applicants for tenured-track faculty positions with start dates in the 2012-2013 academic year. Applicants should be Board-certified in obstetrics and gynecology with a subspecialty in maternal-fetal medicine or a related field. Applicants should have a strong record of research and teaching and should be committed to the development of a high-quality clinical service. Applicants will be considered for positions at the assistant, associate, or full professor level. In addition to a strong research program, candidates should have a commitment to teaching and mentoring medical students and residents. The University of California, San Francisco, is an equal opportunity/affirmative action employer and encourages candidates from diverse backgrounds to apply.

Applications should be submitted by October 1, 2010. More information about the position and the application process can be found at the following website: http://www.ucsf.edu/obstetricsgynecology/joinus.html.

The University of California, San Francisco, is an equal opportunity/affirmative action employer and encourages candidates from diverse backgrounds to apply.

Applications should be submitted by October 1, 2010. More information about the position and the application process can be found at the following website: http://www.ucsf.edu/obstetricsgynecology/joinus.html.
Cardiovascular Pharmacology

Parke-Davis Pharmaceutical Research Division has immediate openings for Scientists in Cardiovascular Pharmacology. Successful candidates will join an experienced and interactive team of dedicated researchers working in the areas of hypertension and heart failure.

Biochemical Pharmacological
The successful candidate will be an experienced cardiovascular scientist with a strong background in Biochemistry and Pharmacology. The candidate will direct a group of senior and assistant-level scientists involved in drug discovery and novel mechanistic approaches to cardiovascular diseases. Experience desired in enzyme isolation and analysis, receptor binding and signal transduction, tissue culture and tissue bioassays. Qualifications include: a Ph.D. in Pharmacology, Biochemistry or Physiology, 6-8 years' experience or an M.D. degree, with related research experience. A documented record of scientific achievement and demonstrated management skills is required. (Job #90153)

Cardiovascular Cell Biologist
A group leader position is available for an individual with expertise in cardiovascular cell biology. The work will be applied to our current drug discovery strategies as well as toward the devising of new discovery strategies for hypertension, heart failure or myocardial ischemia. The successful candidate will have conducted research in one or more of the following; growth factors, protein processing, vasoactive factors, signal transduction, cell cloning. Qualifications include: Ph.D. in Pharmacology, Physiology, Biology or Biochemistry with a minimum of 2 years' postdoctoral experience. (Job #90110)

Cardiovascular Pharmacologist/Physiologist
A group leader position is available for an individual to direct a laboratory involved in the discovery of novel antihypertensive drugs. The qualified candidate will have experience in developing small animal models of hypertension and a strong background in the measurement of hemodynamic parameters in conscious and anesthetized animals. Individuals having worked with transgenic mouse models would be considered a plus. Qualifications include: a Ph.D. in Pharmacology or Physiology and 5-6 years' experience, supported by a significant publication record. (Job #90106)

Renal Pharmacologist
The successful candidate will be an individual with expertise in renal function, with a strong interest in applying state-of-the-art techniques to whole animal models of cardiovascular disease. The candidate will direct an independent laboratory and will be part of a multidisciplinary group of cardiovascular scientists. Familiarity with animal models of renal and cardiac failure is desirable, as well as use of computer-based data acquisition and analysis systems. Qualifications include: a Ph.D. in Pharmacology, Physiology or related discipline plus 3-4 years' experience and a solid publication record. (Job #90107)

Cardiovascular Safety Evaluation
A general Pharmacologist/Physiologist is sought to conduct cardiovascular tests on novel compounds from a number of therapeutic disciplines. Knowledge, singularity and technical experience is required in designing and implementing specialized tests required to define cardiovascular activity and mechanism. This position requires an overall grasp of CV Pharmacology/Physiology, ability to effectively interact with other therapeutic areas, and excellent writing and communication skills. Qualifications include: a Ph.D. in Pharmacology or Pharm. D., 2-4 years' experience and a solid publication record. (Job #90076)

The Parke-Davis Research Division is located in Ann Arbor, Michigan, adjacent to the University of Michigan campus. Our scientific staff enjoys excellent compensation and benefits, a modern laboratory work setting and an exceptional living environment with excellent schools, diverse social activities and cultural activities associated with a major university. Interested, qualified applicants should send their resume indicating the correspondence job number, list of references and salary requirements in confidence to Mr. B. Burmeister, Human Resources Representative, Parke-Davis, 2800 Plymouth Road, Ann Arbor, Michigan 48105. “Smoke-Free Work Environment”

PARKE-DAVIS

"Equal Opportunity In Action"

A DIVISION OF WARNER LAMBERT
Discover What It's Like To Discover.

Oregon State University (OSU) announces a 3-year, fixed-term FACULTY POSITION in silicovitro. This position is with the 8-year Oregon Productivity Enhancement (COPE) research and development program. The position is available 1 October 1990 and will be located in Newport, Oregon. Responsibilities are to develop and conduct reforestation-related research and continuing education programs in Oregon's Coast Range, in managed forests as part of a research interdisciplinary team. The position is ASSISTANT PROFESSOR: 12-month, fixed-term appointment with annual reappointment potential for the duration of the program after 1 year of satisfactory service. Ph.D. in silicovitro or a closely related field; experience in reforestation research and Pacific Northwest conditions desirable. Salary: $31,000 to $39,000 per annum dependent upon qualifications. Application closing date: 15 August 1990. A more detailed position description is available upon request or letter of application, résumé, three letters of recommendation, and transcripts to: COPE Search Committee, Department of Forest Science, College of Forestry, Oregon State University, Corvallis, OR 97331. An Equal Opportunity/Affirmative Action Employer. Completes with Section 504, Rehabilitation Act of 1973. OSU is responsive to dual-career couples.

MEDICAL PHYSICIST

The Department of Radiology of The George Washington University Medical Center has a non tenure-track position at the ASSISTANT PROFESSOR level for a medical physicist beginning in October 1990. This is a full-time position from October 1990 through September 1991. Beginning October 1991 it becomes a half-time position with the possibility of a continuation dependent upon the candidate's research support. The successful candidate will work in the Division of Radiation Oncology as a member of the radiation oncology team to complete the development and clinical implementation of a program in stereotactic radiosurgery and will also assist two faculty medical physicists in ongoing programs in clinical treatment planning, linac calibration, and quality assurance. A M.S. in medical or health physics, 3 years of clinical experience in radiation oncology physics, computer programming skills, and a good working knowledge of computer systems are necessary. American Board of Radiology certification in therapeutic medical physics is desirable. Applicants should send their curriculum vitae to: Barry Wessels, Ph.D., Division of Radiation Oncology and Biophysics, The George Washington University Medical Center, 901 32nd Street, N.W., Washington, DC 20037. Applications will be accepted through 16 July 1990. The George Washington University is an Affirmative Action/Equal Opportunity Employer.

PHARMACOLOGIST/PHYSIOLOGIST: Monsanto Company is expanding exploratory pharmaceutical research and we are seeking a pharmacologist/physiologist. This position requires a Ph.D. in pharmacology or physiology with experience in isolated smooth muscle, cellular, and whole-animal assay techniques. A working understanding of biochemistry and cell and molecular biology will facilitate collaborative research. This is an excellent opportunity to apply your skills to new discoveries and challenges. Please send your curriculum vitae and names of three references to: Philip Needelman, Ph.D., Vice President, Research and Development, Monsanto Company, AA-4N, 700 Chesterfield Village Parkway, St. Louis, MO 63198. Equal Opportunity Employer, M/F/H/V.

POSTDOCTORAL POSITION
FRANK HUTCHINSON
CANCER RESEARCH CENTER

A position is available immediately to study the cell and molecular biology of B cell differentiation. Research in progress includes determining the usage immunoglobulin variable region genes during ontogeny, especially CDS (Leu-1) positive B cells. Experience in molecular biology or immunology is necessary. Please submit a letter describing current and past research, your future plans, your curriculum vitae, and two letters of recommendation to: Carol Nortenburg, Ph.D., Division of Clinical Research, Fred Hutchinson Cancer Research Center (FHCRC), 1124 Columbia Street, Seattle, WA 98104. Telephone: 206-667-4555. Smoke-free environment. FHCRC is an Equal Opportunity/Equal Opportunity Employer, M/F/H.

POSTDOCTORAL POSITION
EXPLORE NEUROPATHOLOGIST
DEPARTMENT OF PATHOLOGY
THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

The Department of Pathology of The University of Michigan Medical School is seeking an individual with background in experimental neuropathology for a position at the level of INSTRUCTOR OR ASSISTANT PROFESSOR. An M.D. degree is required together with certification in anatomic pathology. Individuals with Ph.D. degrees are also encouraged to apply. Candidates should be capable of demonstrating a record of scholarly productivity, clear evidence of independence in research, and the strong likelihood of being able to obtain research grant support. Training and experience in the area of Alzheimer’s disease and related degenerative disorders are highly desirable. Qualification candidates should contact: Paul E. McKeever, M.D., Ph.D., Professor, Department of Pathology, The University of Michigan Medical School, M3218 Medical Science I, Box 0602, 1301 Catherine Road, Ann Arbor, Michigan 48109-0602. The University of Michigan is an Equal Opportunity Employer and specifically encourages applications from women and members of minority groups.

PLANT PATHOLOGIST
NATURAL PRODUCTS BIOLOGY DEPARTMENT

RESEARCH BIOLOGICAL CHEMIST

We are searching for a highly motivated individual who is interested in the discovery of biologically active agents from natural product sources. The successful candidate will be responsible for the development of analytical methods and characterization, evaluation and isolation of unknown natural products. This position requires a B.S./M.S. in biochemistry or a closely related field. The successful candidate will have experience in enzymology, analytical biochemistry, protein chemistry, protein purification and protein chromatography. In addition, we are seeking an individual who is familiar with computer-assisted data analysis and database management.

In exchange for your talents, we offer competitive salaries and a comprehensive benefits program along with outstanding career opportunities for personal and professional growth. For confidential consideration, please refer to position code GV-4390, and forward your resume with salary history/requirements and the names of three professional references to: Sterling Research Group, 9 Great Valley Parkway, Malvern, PA 19355. An Equal Opportunity Employer M/F/H/V.

POSTDOCTORAL POSITION
JOHN MAURICE NARDE
CANCER RESEARCH CENTER

A position is available immediately to study the cell and molecular biology of B cell differentiation. Research in progress includes determining the usage immunoglobulin variable region genes during ontogeny, especially CDS (Leu-1) positive B cells. Experience in molecular biology or immunology is necessary. Please submit a letter describing current and past research, your future plans, your curriculum vitae, and two letters of recommendation to: Carol Nortenburg, Ph.D., Division of Clinical Research, Fred Hutchinson Cancer Research Center (FHCRC), 1124 Columbia Street, Seattle, WA 98104. Telephone: 206-667-4555. Smoke-free environment. FHCRC is an Equal Opportunity/Equal Opportunity Employer, M/F/H.
Professional Engineers

The Australian Nuclear Science & Technology Organisation is a research centre of excellence with an active emphasis on technology transfer. We are located 30km from Sydney in bushland surroundings.

If you're dynamic, with energy and enthusiasm and if you're good at your job we are keen to hear from you.

We are interested in self motivated mechanical, electrical and chemical engineers to perform a range of professional nuclear engineering work including reactor operations, documentation, quality assurance, analysis and surveillance. We need people who have reached a level of professional autonomy within their area of expertise.

Remuneration packages for engineers are within the range of $A51,400 to $A55,400. As well, we relocate you and there are generous conditions and employment benefits. You must be prepared to become an Australian Citizen after two years (unless you are interested in a term appointment).

To find out just how attractive our offer is, contact Des Davy in Sydney on (02) 543 3702.

Fax: (02) 543 6907. Written applications should be addressed to the Recruitment Officer, ANSTO, Private Mail Bag 1, Menai NSW 2234, Australia and should reach us by June 1, 1990.

ANSTO is an equal opportunity employer
We provide a smoke-free working environment

Sphinx Biotechnologies Corporation is a rapidly growing company dedicated to the discovery and development of novel therapeutics for human disease based on interactions with key intracellular enzymes involved in signal transduction pathways. We currently have available several positions in our pharmacology and drug development group. The selected individuals will be highly motivated scientists who are capable of working effectively as part of a multidisciplinary team with scientists in both our discovery research/medicinal chemistry and pharmacology/safety evaluation sections.

Pharmacokineticist

Applicant should have a Ph.D. in biopharmaceutics, biochemical pharmacology, or a related field with at least 3 years of postdoctoral experience in pharmacokinetics. The ideal candidate should be familiar with state-of-the-art analytical techniques such as HPLC, GC, and GC/MS and should have good knowledge in pharmacokinetic-pharmacodynamic modelling. Position 120.

Cell Biologist/Pharmacologist

Applicant should have a Ph.D. in cell biology, pharmacology, immunology, or a related field and at least 3 years' postdoctoral experience. The successful candidate will be a highly motivated scientist who is capable of conducting a variety of in vitro and in vivo biological assays designed to measure the effects of novel therapeutics on cell activation, growth and differentiation. Experience in working with neutrophils, monocytes/macrophages, and platelets is highly desirable. Position 122.

Toxicologist

Applicant should have a Ph.D. in toxicology or a related field with at least 3-5 years' experience in preclinical toxicology studies. Responsibilities will include designing protocols, selecting contract laboratories, evaluating/summarizing ongoing studies, and finalizing reports for regulatory submission. Successful applicant will also be responsible for ADME studies. Applicant should be strongly oriented toward regulatory (FDA) toxicology and scientific evaluation. Position 121.

Regulatory Affairs Manager

Applicant should have experience in filing of IND and/or NDA applications to the FDA. Successful candidate will be expected to interact with a multidisciplinary project team consisting of scientists from our drug discovery and safety evaluation groups. The responsibilities of this position will include coordinating a successful dialog between the FDA and our scientists and the preparation of all documentation necessary for the filing of an IND. Position 124.

Sphinx Biotechnologies offers career advancement opportunities, competitive compensation, comprehensive benefits and relocation plan, and excellent living conditions in the Research Triangle area of North Carolina. For confidential consideration, please forward your curriculum vitae and the names of three references, indicating the position number for which you are responding to: Sphinx Biotechnologies Corporation, PO. Box 52330, Durham, NC 27717. An Equal Opportunity Employer.
**Immunology**

Searle is a growing pharmaceutical company with worldwide research and development facilities. To enhance our discovery research capabilities and to facilitate the translation of basic research into therapeutics, we have developed several academic research collaborations. We are seeking a qualified scientist to fill the position of

**Director of Immunology**

to head our collaborative research group at the University of Oxford.

Requirements include a Ph.D. or M.D. with a strong record of accomplishment in cellular immunology and immunopharmacology. Candidates should have a proven record in technical leadership and management.

Responsibilities include the direction of a research team located at the University of Oxford, U.K., and focused on selective control of the immune response. The Director will also be responsible for collaboration with the University of Oxford's Glycobiology Institute and for coordination of the team's activities with related research efforts in Searle's U.S. Department of Molecular and Cell Biology and its pre-clinical and Clinical Development Departments. This position is at the interface of Searle's Research and Development Division with Oxford. It requires effective scientific and management skills and an ability to contribute to and act aggressively on new ideas in a collaborative team environment.

Qualified applicants should send curriculum vitae in confidence to: Joan M. Lineberry - DIR; Searle, B84E; 700 Chesterfield Village Parkway; St. Louis, MO 63198. An Equal Opportunity Employer.

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**Senior Scientist**

**DNA Sequencing**

Pharmacia P-L Biochemicals, Inc. is the international headquarters for research, production and marketing of molecular and cellular biology reagents for Pharmacia LKB Biotecnology. Our research and development department has an immediate opening for a scientist with experience in DNA sequencing.

The successful candidate will possess a Ph.D. in molecular biology or a related field with relevant postdoctoral or industrial experience. The scientist will be expected to maintain a program for the development of methods and products for DNA sequencing. Experience with automated DNA sequencing and one of the following areas is highly desirable: genomic cloning, cDNA cloning, protein expression or protein purification. Supervision of other scientific staff is expected and strong interpersonal skills are required.

Pharmacia offers a competitive salary and benefits package. For immediate consideration please send your resume to:

Pharmacia P-L Biochemicals, Inc.
Attn: Susan E. Hoist
Administrative Assistant
2202 North Bartlett Avenue
Milwaukee, Wisconsin 53202

Equal Opportunity Employer M/F/H/V/D

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**Toxicologist/Chemist/ Product Regulations**

Hewlett-Packard, a world leader in thermal ink-jet technology, seeks a highly motivated and proficient individual to assume responsibility for EPA and worldwide registration of new chemicals used in ink-jet products, generate MSDSs, supervise toxicity testing through contractors, and set company policies related to use of chemicals in consumer products. Candidate should have 3-5 years' industrial experience in chemical toxicology, familiarity with workings within regulatory agencies, willingness to learn worldwide chemical regulations, flexibility to work on other projects, and possess a Ph.D. or Master's in toxicology with considerable background in chemistry.

Hewlett-Packard, located in the Pacific Northwest, offers an excellent employment and living environment reputed throughout the industry. Please send your resume to: Janet Flaherty, Personnel, Hewlett-Packard Company, 1000 N.E. Circle Blvd., Corvallis, OR 97330. Hewlett-Packard Company is an Equal Opportunity/Affirmative Action Employer.

There is a better way.

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**University of Basel Biocenter**

**Associate Professor in Pharmacology and Toxicology**

The Department of Pharmacology (Medical Faculty) intends to make an appointment at the associate professor level (tenured) effective January 1991 or later. Research in the department covers a wide range of topics in clinical and molecular pharmacology, toxicology, neurobiology and cell biology. We are seeking outstanding candidates in any of these fields. In addition to leading an independent research group at the Biocenter candidates have to be able to teach pharmacology and/or toxicology to medical and pharmacy students. They should be able to teach in German. The position offers significant scholarly and scientific resources and the possibility of clinical research in collaboration with the Department of Research of the Basle University Hospitals.

Applicants should submit curriculum vitae, bibliography, a brief (no more than 500 words) description of research interests and the names of at least three references by June 30, 1990 to:

Dekanat der Medizinischen Fakultät, Hebelstr. 25, 4031 Basel

Further information on this position may be obtained by writing to:

Prof. John G. Nicholls, Ph.D., M.B., B.S.
Department of Pharmacology
Biocenter
CH-4056 Basel / Switzerland
(FAX No. 0041/61 25 67 60)
RESEARCH MANAGER

A dynamic, creative professional with strong management skills is sought for the position of Research Manager for the March of Dimes/California Birth Defects Monitoring Program.

The successful candidate will have primary responsibility for supervising epidemiologists and other senior scientific staff and for coordinating long-range plans for research endeavors.

A minimum of five years experience in managing scientific staff is required. Doctorate-level training in epidemiology, genetics, reproductive biology or a related field is desirable. Experience with Federal grant applications is preferred.

We offer a competitive salary, benefits and a generous leave policy.

Please send your curriculum vitae including employment and management history and three professional references by June 25, 1990 to:

MARCH OF Dimes
California Birth Defects Monitoring Program
Attn: G. Kelly, Human Resources Manager
Mailstop SCI-0590
5900 Hollis St., Suite A
Emeryville, California 94608
An Equal Opportunity Employer

TOXICOLOGY

MAMMALIAN TOXICOLOGIST

FMC Corporation, a Fortune 150 international machinery and chemical corporation has an opening for a Mammalian Toxicologist at our Chemical Research and Development Center located in Princeton, NJ. Responsibilities will include evaluating and interpreting data from mammalian toxicology programs and preparing risk assessments; assisting in the compilation and dissemination of technical information; acting as study director/study monitor for Mammalian Toxicology programs; assisting registration specialists with toxicology studies necessary for registration of industrial and agricultural chemicals; and preparing MSDS's and product literature.

Position requires an MS/PhD degree in Toxicology or related field, and/or up to 2 years industrial experience. FMC offers excellent salary and benefits package. Please send resume with salary requirements to: FMC CORPORATION, Dept. 89-27, P.O. Box 8, Princeton, NJ 08543. ATTN: Personnel Manager. Equal Opportunity Employer, M/F.

EXECUTIVE VICE PRESIDENT FOR RESEARCH AND ACADEMIC AFFAIRS

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON invites applications and nominations for the newly created position of Executive Vice President for Research and Academic Affairs.

RESPONSIBILITIES: Reporting to the President of the Health Science Center (HSC), this position represents the needs and interests of the academic community comprising the schools to the Institution's administration. As such, the incumbent works with the Deans of the schools to facilitate and enhance their efforts in providing leadership in the academic, research, and service activities of their respective faculties and student bodies. Additionally, the incumbent is responsible for managing and coordinating various HSC wide faculty-student support functions. In that role, the incumbent has responsibility for and supervision of: the Office of Scientific Affairs; the Office of Research Services; the Office of Technology Management; the Registrar's Office; the Student Counseling Service; the International Affairs Office; the Program on Humanities and Technology in Health Care; the Office of Institutional Program Evaluation; the Office of Research Support Committees, the Clinical and Laboratory Safety Department; and, the Institute for Technology Development and Assessment.

THE UNIVERSITY: The University of Texas Health Science Center at Houston is one of fifteen institutions within The University of Texas System, and one of the six health components. It is located in the Texas Medical Center, the nation's largest medical center, and includes six schools: Allied Health, Biomedical Sciences, Dentistry, Medicine, Nursing and Public Health. As one of the top free-standing medical/health institutions in the country, it had over $43.3 million in research and development expenditures during the 1988 fiscal year.

QUALIFICATIONS: The successful candidate will possess a terminal degree in a health-related discipline, a record of academic achievements at a senior level, a national reputation as a scientist, and proven experience in the administration of faculty, a school, or an academic health center.

SALARY: Competitive, commensurate with qualifications and experience.

CLOSING DATE: June 15, 1990

APPLICATION: A letter of interest, resume and list of five references should be mailed or faxed to:

M. David Low, M.D., Ph.D., President
The University of Texas Health Science Center at Houston
Attn: Human Resources & Employee Relations
P.O. Box 20036
Houston, Texas 77225
Fax Number (713) 794-1713

Equal Opportunity Employer. Women and minorities encouraged to apply.

UNIVERSITY OF KUWAIT
FACULTY OF MEDICINE
STATE OF KUWAIT

Applications are invited to fill the post of PROFESSOR AND CHAIRMAN for the department of Gynaecology and Obstetrics, University of Kuwait, Faculty of Medicine.

REQUIREMENTS FOR APPOINTMENT

Qualifications: Medically qualified with a professional degree (i.e., MD/Ph.D/MRCOG/FRCOG) or equivalents. Candidates should have publications in international journals.

Experience: 14 years (4 years as an Associate Professor). Applications should also have teaching experience.

CONDITIONS OF APPOINTMENT:

Salary: Total monthly salary will be:
KD. 1210–1370 (8 increments) according to qualifications and experience, (1 Kuwaiti dinar = 2.3 St. Pound, US$ 3.5 approx.) Increment per year KD.20/-

OTHER ALLOWANCES: a) Social allowance b) KD. 450/- as clinical allowance from the Ministry of Public Health for 10 months a year.

OTHER BENEFITS: Conference attendance, gratuity, furnished accommodation (electricity and water free of charge), free medical treatment in Kuwait, free annual airtickets to and from country of citizenship or permanent residence for self and family up to 3 dependent children, baggage and freight allowance, maximum 3 children education fees in Kuwait from elementary to 0 level. No taxation and currency is transferable without restriction.

METHOD OF APPLICATION: Curriculum vitae in duplicate which should include the names of 3 referees, personal particulars, relevant copy of information, qualifications with dates, career history, teaching experience, research accomplishments and where appropriate clinical and administrative experience should be sent to: THE VICE-DEAN ADMINISTRATION (RECRUITMENT), FACULTY OF MEDICINE, UNIVERSITY OF KUWAIT, P.O. BOX NO. 24055 SAFAT, 13110 SAFAT, KUWAIT--to arrive NO LATER THAN 15th June 1990.
POSTDOCTORAL POSITION(S). To investigate the biochemistry and genetics of antibiotic production by Streptomyces with the development of new fungal toxins and the modification of existing toxins. This position will involve the study of two-dimensional gel electrophoresis (2-D) of fungal extracts and the use of computer programs to analyze the data. The position will require a strong background in microbial biochemistry, genetics, and molecular biology. The position is available immediately. Send curriculum vitae and three letters of recommendation to: Dr. S. M. Bishop, Department of Biological Sciences, The University of Texas, Austin, TX 78712. The University of Texas is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ECOLOGY POSTDOCTORAL FELLOWSHIPS

Two postdoctoral fellowships in aquatic ecology are available. The fellowships are supported by the National Science Foundation and are available immediately. The positions require a Ph.D. in ecology or a related field and a strong background in aquatic ecology. The positions are available for at least one year. Send curriculum vitae and three letters of recommendation to: Dr. J. M. Burke, Department of Ecology and Evolutionary Biology, University of Wisconsin, Madison, WI 53706. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

MOLECULAR NEUROBIOLOGY POSTDOCTORAL POSITION

An NIH-funded postdoctoral position is available starting 1 September 1990 to study the role of specific sites on the ubiquitin-conjugating enzyme (E2) in the action of small ubiquitin molecules. This position requires a Ph.D. in molecular biology or a related field and a strong background in biochemistry and genetics. The position is available immediately. Send curriculum vitae and three letters of recommendation to: Dr. D. M. White, Department of Pharmacology, University of Pennsylvania, Philadelphia, PA 19104-6084. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

CryoLife, Inc., has an immediate opening for a Research Associate to participate in a multidisciplinary research project aimed at understanding the role of cell damage during hypothermia and freeze-thawing. The research will involve the study of the effects of cryoprotectants on the survival of cells, and the development of new methods for the cryopreservation of biological materials. This position requires a Ph.D. in biology or a related field and a strong background in cell biology. The position is available immediately. Send curriculum vitae and three letters of recommendation to: Dr. F. J. Caruso, CryoLife, Inc., 211 New Market Parkway, Suite 142, Marietta, GA 30060. CryoLife, Inc., is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION. Available to work on the structure and function of the mammalian immune system. The position requires a Ph.D. in biochemistry or molecular biology and a strong background in immunology. The position is available immediately. Send curriculum vitae and three letters of recommendation to: Dr. D. M. White, Department of Pharmacology, University of Pennsylvania, Philadelphia, PA 19104-6084. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
A major expansion in the area of Molecular and Structural Biology is being undertaken in Toronto, Canada. These programs are based both at the University of Toronto main campus and at University-associated Hospital Research Institutes. Openings are available for seven new staff positions as well as for graduate students and post-doctoral fellows.

**Professor**

NSERC Industrial Research Chair in Protein Crystallography

**FACULTY OF MEDICINE • UNIVERSITY OF TORONTO**

Applications are invited for a Full Professor with tenure in the Department of Biochemistry, with cross-appointment to the Department of Molecular and Medical Genetics. The position is an NSERC Industrial Research Chair and carries with it funds for: an area detector-based diffraction system, graphics hardware, maintenance costs, supercomputer time, research associate salary, start-up and renovation costs. The successful candidate will have demonstrated ability to establish an internationally competitive research program in protein crystallography and to collaborate on a wide variety of crystallographic problems. An interest in sharing facilities with industry-based investigators is necessary. Candidates must have a Ph.D. or equivalent degree. Salary will be commensurate with experience.

Please submit a curriculum vitae and the names of three referees to: Dr. Jeremy Carver, Department of Molecular and Medical Genetics, or Dr. Theo Hofmann, Department of Biochemistry, University of Toronto, Toronto, Ontario, Canada M5S 1A8.

The University of Toronto encourages both men and women to apply for positions.

**Training Program in Protein Engineering**

Protein Engineering Network of Centres of Excellence

Toronto is one of the nodes in a Canada-wide Network of Centres of Excellence Program in Protein Engineering: Three-Dimensional Structure, Function and Design. This program is based at the Departments of Molecular and Medical Genetics, Biochemistry and Chemistry on the main campus of the University of Toronto and at the Research Institute of the Hospital for Sick Children. The Toronto node will have available state-of-the-art technology in high resolution Nuclear Magnetic Resonance Spectroscopy, Protein X-ray crystallography, Mass Spectrometry and Computer Graphics. Projects will be centred on Protein Design and Folding, Protein Glycosylation, Chemical Synthesis of Oligosaccharides and Glycopeptides, Growth Factors and Receptors and Oxidation-Reduction Enzymes. Applications are invited from potential graduate students and post-doctoral fellows.

Please send a curriculum vitae and the names and addresses of at least three referees to: Dr. J.P. Carver, Dept. of Molecular and Medical Genetics, Medical Sciences Building, University of Toronto, Toronto, Ont., Canada M5S 1A8. Fax (416) 978-6885.

**The Hospital for Sick Children Research Institute**

The Research Institute of the Hospital has openings for two junior staff positions in Protein Structure and Function. The Institute is recognized as one of the leading hospital-based research institutes in the world and has 100 principal investigators working in a broad range of biological disciplines, e.g., the structure and function of the Cystic Fibrosis gene product, of myelin proteins in normal and Multiple Sclerosis brains, and of dystrophin in normal and Muscular Dystrophy muscle. Applicants should have a PhD or MD degree, a proven research record, and 2-5 years of post-doctoral experience. Salaries will be competitive and cross-appointment to a University Department will be arranged.

Please reply in writing with a curriculum vitae, a publication list and the names and addresses of at least three referees to:

Dr. H. Schachter, Dept. of Biochemistry Research, Research Institute, The Hospital for Sick Children, 555 University Ave., Toronto, Ont., MSG 1X8, Canada.

**The Ontario Cancer Institute Senior Scientist Positions**

The Ontario Cancer Institute is one of North America's largest cancer research and treatment centers and houses the Department of Medical Biophysics of the University of Toronto. The institute invites applications for senior scientist positions in its newly formed Molecular and Structural Biology group. Current programs in this group include: electron microscopy of macromolecules, DNA-protein interactions, membrane transport and drug resistance, and the structure-function relationship of biologically active polypeptides. Up to four candidates are sought with expertise in NMR spectroscopy, X-ray crystallography, protein engineering, theoretical molecular modelling, or other biophysical techniques.

New members should be eligible for appointment at the assistant or associate professor level in the Department of Medical Biophysics at the University of Toronto, a graduate department that emphasizes strong multidisciplinary research. Preference will be given to individuals with research interests in structural aspects of molecular recognition, receptor-ligand interactions, the structure of molecules of the immune system or in molecular design aimed at cancer therapy.

Interested persons should send their curriculum vitae, statement of research interests, and names of three references to:

Dr. Victor Ling, Ontario Cancer Institute, 500 Sherbourne Street, Toronto, Ontario, Canada, M4X 1K9.
CONFERENCE ON CHEMICAL RISK ASSESSMENT IN THE DoD: SCIENCE, POLICY, AND PRACTICE
October 16, 17, and 18, 1990
Dayton, Ohio

A conference will be held at the Holiday Inn Conference Center, sponsored by the Air Force Harry G. Armstrong Aerospace Medical Research Laboratory, the Naval Medical Research Institute Detachment (Toxicology), and the Army Biomedical Research and Development Laboratory, with the cooperation of the National Research Council Committee on Toxicology.

The goals of the conference are to promote exchange of information between those who develop risk assessment methodologies and those who perform risk assessment for the DoD. Specifically:
- To acquaint DoD practitioners with the state-of-the-art in chemical risk assessment methodology for occupational, environmental, and emergency planning applications.
- To acquaint those who perform chemical risk assessment with the requirements and problems specific to the DoD.
- To identify research priorities to improve the application of chemical risk assessment methods to DoD scenarios.

The conference will feature invited presentations by noted individuals in the field and a poster session for studies relevant to the conference theme. Individuals interested in presenting a poster should contact Ms. Lois Doncaster, Conference Coordinator. Abstracts must be received by July 1, 1990.

To obtain further information, contact Ms. Lois Doncaster, Conference Coordinator, NSI Technology Services Corporation, 101 Woodman Drive, Suite 12, Dayton, Ohio 45431. Phone: (513) 258-1150.

Nova Pharmaceutical Corporation is a rapidly growing pharmaceutical company based in Baltimore, currently establishing comprehensive in-house capabilities for producing materials in compliance with GMP regulations.

Head of GMP Facility

We are seeking an experienced professional with a BS in Pharmacy and a PhD in synthetic organic Chemistry, and experience in the pharmaceutical industry. This position is for a hands-on manager who will start up, operate and maintain a GMP facility designed for small-scale bulk chemical production, as well as the formulation of pre-clinical and clinical supplies. The successful candidate will be an independent leader with strong communication, organizational and motivational skills; strong GMP regulation knowledge is desirable.

NOVA PHARMACEUTICAL CORPORATION offers exceptional professional growth opportunities and relocation assistance, plus a state-of-the-art facility, excellent salaries and comprehensive benefits including profit sharing and 401(k) plans and 100% tuition reimbursement. Please forward your resume and salary history to: NOVA PHARMACEUTICAL CORPORATION, Personnel—Response Code #MCD, 6200 Freeport Centre, Baltimore, MD 21224-2788.

Nova is an equal opportunity employer offering a smoke-free work environment.

Research Scientists

We currently have the following openings in our Cambridge, Massachusetts facility.

Biopolymers

Set up multiple preclinical animal studies for the evaluation of biopolymer devices and help coordinate R&D for new products. Requires a Ph.D. in Bioengineering or Biomaterials, 3-5 yrs. experience in the development of biomedical devices, and familiarity using animal models for evaluation of biomedical products and in preclinical safety and efficacy studies. Define and implement programs to develop new materials for medical applications based on modification of biopolymers. Requires a Ph.D. in synthetic organic chemistry and 2-3 yrs. postdoctoral experience in synthesis and modification of organic compounds.

Cell Biology

A new position requires a Ph.D. in Biology or Biochemistry to conduct applied and basic research in cell biology, including work with glycoproteins, cell differentiation, intracellular protein trafficking, and cellular adhesion and migration. Candidates should have a working knowledge of protein sorting, protein glycosylation, receptor biology, and cell adhesion and differentiation. Genzyme offers an excellent compensation and benefits package, including equity participation, 3 weeks' vacation, a 401(k) Plan with a company match, and extensive insurance benefits. For immediate consideration, please send your resume to: Director, Human Resources, Dept. 5518, Genzyme Corporation, One Mountain Road, Framingham, MA 01701.

An equal opportunity employer.
When is a start-up not a start-up?

When it's BASF Bioresearch Corporation. You see, we have the stability and resources of a Fortune 100 company...along with the energy and potential of a start-up organization. This start-up could be your start in a new, interesting opportunity.

Protein Chemist

You will be running a protein chemistry laboratory and supervising research assistants. Your primary responsibility is to perform research in immunology in the purification and characterization of lymphokines and growth factors. You will work in a research group together with molecular and cellular immunologists as well as molecular biologists. Your responsibility includes supervision of research collaborations.

A PhD in either Chemistry, Biochemistry or Biology as well as extensive experience in protein purification, protein characterization and/or structural/functional analysis is required. Post-doctoral experience of at least 2 years is preferred.

Sr. Scientist – Pharmacology

We are currently seeking a scientist to join our Oncology group. This individual will direct research on tumor cell differentiation and/or drug resistance.

A PhD in Pharmacology, Molecular Biology or Tumor Biology and at least 2 years’ experience in oncology research is required.

Research Assistants

Several positions are available for Research Assistants to work in the following areas: Molecular Immunology, Cellular Immunology, Molecular Biology and Biochemistry. In most positions, you will be maintaining the laboratory and its equipment, conducting in-vivo and in-vitro studies, and conducting standard laboratory testing.

All positions require a BS degree in the appropriate science and experience working in a laboratory. An MS degree is preferred.

We offer an excellent compensation and benefits package. Please send your resume to Pamela S. Zupfer, Human Resources Department, BASF Bioresearch Corporation, 195 Albany Street, Cambridge, MA 02139. An Equal Opportunity Employer.

ENHANCE WORLD VISION.

As one of the world's foremost developers and manufacturers of high quality ophthalmic therapeutics, contact lenses and lens care products, Sola/Barnes-Hind is forging new inroads in treating vision disorders such as glaucoma and cataracts, and developing innovative methods for producing, disinfecting, cleaning and lubricating contact lenses. Join us in one of the following positions where you can make an active contribution to evolving the state of vision care.

MANAGER, STABILITY & ROUTINE ANALYSIS

Northern California

At our new, fully-equipped R&D lab, located in the heart of Silicon Valley, you'll find professional challenges, state-of-the-art equipment, proximity to a wealth of cultural and environmental attractions and the country's finest educational institutions.

Bring your 5+ years R&D chemistry experience and PhD in Analytical, Bio-Chemistry or related field to our R&D Department to manage all aspects of the stability and analytical activities. Your responsibilities will encompass developing basic chemical information to support all stability functions, analytical methods to monitor new product performance, routine analysis for all R&D activities, and innovative analytical chemistry approaches. You will guide and manage the Analytical Research team members; develop stability protocol for formulations and biological samples to support new and existing products; coordinate stability projects with outside research organizations and identify capital equipment needs. You must possess demonstrated lab management, communication and organizational skills.

QC MICROBIOLOGY MANAGER

Phoenix, Arizona

Take ownership of quality planning and assurance—a core, strategic business value at Sola/Barnes-Hind—at our soon-to-open lens care production plant. Located in northeast Phoenix, this position offers an excellent career path, state-of-the-art equipment, surroundings rich in cultural and recreational activity, and affordable housing.

Use your 5+ years’ Micro lab, BS/MS in Microbiology, and minimum two years' management experience to manage all quality aspects of lab procedures, equipment and activities. This includes implementing, applying and maintaining the most advanced procedures and techniques; evaluating and resolving quality challenges; establishing standards for operating procedures; supporting operations proactively and with timeliness; training and developing staff; and ensuring compliance with very high company Quality Standards, as well as GMPs, GLPs, FDA and other regulatory agencies’ requirements. A background in sterile solutions processes and validations (ETO, gamma, etc.), clean room technology and environmental monitoring programs is required.

You'll also receive an excellent compensation and benefits package. For immediate consideration, please send your resume, indicating position of interest, to our California Human Resources Department at: Sola/Barnes-Hind, Human Resources, Dept. SCI518, 895 Kifer Road, Sunnyvale, CA 94086 FAX: (408) 736-0830. An Equal Opportunity Employer through Affirmative Action. M/F/H/V.
POSTDOCTORAL FELLOW. Laboratory specializing in the development and optical spectroscopic separation methods for macromolecules and subcellular-sized particles. Requires two scientists with backgrounds in water-soluble polymers, and physical-chemical approaches to gel electrophoresis. Write: Dr. A. Hajjar, Department of Physical Biology, Room 6C101, Building 60605, National Institutes of Health (NIH), Bethesda, MD 20892, or telephone: 301-496-4878. NIH is an Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP
TRANSGENIC APPROACHES TO VIRAL IMMUNOLOGICAL AND PATHOGENESIS

Position available immediately for M.D. or Ph.D. with experience in cellular immunology and T cell cloning to examine mechanisms of immunological tolerance and the role of the virus-specific CTL in the development of cellular injury and malignant transformation in hepatitis B virus transgenic mice [see Science 248, 361-364 (1990)]. Send curriculum vitae, bibliography, research objectives, and names of three references to: Dr. Francis V. Chisari, Department of Molecular and Experimental Medicine, 10666 North Torrey Pines Road, La Jolla, CA 92037. Affirmative Action Employer.

SENIOR RESEARCH ASSOCIATE II. Duties are characterizing the structure, morphology, and chemistry of materials by analytical electron microscopy and X-ray diffraction. Experience in cryo-electron microscopy and X-ray diffraction is desirable. Research and publication involving the characterization of ion-beam modified metallic semiconducting and ceramic materials, including rock-forming minerals, and radiation-induced amorphization. Ph.D. in materials science and 4 years of experience required. Salary $730.77 per week. Forty hours per week. Send resumé to: New Mexico Department of Labor, Contract Center 1031, 501 Mountain Road N.E., Albuquerque, NM 87102. Job Order Number 276240.

RESEARCH SCIENTIST

This position is available immediately in an interdisciplinary inflammation department focusing on signal transduction and gene activation, mechanisms of eicosanoid biosynthesis, and lymphokine release from leukocytes. Desirable areas of expertise include radioactivity receptor binding assays, purification and analysis of functional proteins, and measurement of released eicosanoids and cellular mediators, intracellular calcium flux, cell culture, membrane fractionation, and small animal handling and use. Qualifications include a M.S. or B.S. with at least 3 years experience. Merck & Co., Inc. is noted for its professional environment, excellent salaries, and outstanding benefits program. To explore these opportunities please forward credentials with salary history in confidence to: Susan Glins, R80M-TL1, Merck & Co., Inc., P.O. Box 2000, Rahway, NJ 07065. An Equal Opportunity Employer.

DRUG ABUSE STAFF FELLOWS

The Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute on Drug Abuse located in Rockville, Maryland, is seeking EXTRAMURAL STAFF FELLOWS to work in the Institute to develop, direct, and administer grant, contract, and collaborative research programs in the clinical, biomedical, behavioral, psychosocial, and epidemiological sciences. Applicants with M.D. or Ph.D. degrees are preferred, although masters-level are eligible. Applicants from minority and women candidates are encouraged. Salary will be $24,000 to $77,000 range. Relocation expenses available. Start dates are negotiable. Fellows are eligible for full Government benefits and leave. Term of appointment will be at least one year, not to exceed seven years. For more information call or send c.v. and bibliography to Ms. Donna Tolson, National Institute on Drug Abuse, 5600 Fishers Lane, Room 10A-03, Rockville, MD 20857, 301-443-4577. ADAMHA IS AN EQUAL OPPORTUNITY EMPLOYER.
MEDICINAL CHEMIST
SENIOR RESEARCH SCIENTIST

Miles Inc. is a wholly owned subsidiary of BAYER AG of West Germany, an internationally recognized leader in the research and development of pharmaceutical products. Miles Inc. is offering a highly visible and challenging career opportunity for an organic chemist with experience in stereoselective synthesis. The successful candidate will be housed in Miles' recently-opened research center in West Haven, CT where several established research institutes are already engaged in full-scale discovery research. The center is located midway between New York and Boston near New Haven and Yale University.

The Miles Inc. commitment to medicinal chemistry is backed both by Bayer AG's international reputation and research momentum and by the development of significant additional research capacity for chemistry, now under construction in West Haven, CT.

The successful candidate will have a Ph.D. in Organic Chemistry, coupled with 3-5 years experience, a thorough understanding of modern spectroscopy techniques, and drive to participate in a structural chemistry/molecular biology interdisciplinary research project.

This position offers attractive compensation commensurate with qualifications, a benefits package including 401(k) and relocation assistance. The position and the research environment in West Haven allow a professional working environment conducive to career development. For consideration, send resume including salary history, in confidence to: Department CC-CHEM

Miles Inc.
A Bayer USA INC. COMPANY
Pharmaceutical Division
400 Morgan Lane
West Haven, CT 06516

An Equal Opportunity Employer m/f/h/v

University of Massachusetts
Medical Center

Director of Protein Chemistry Core Facility

Applications are invited to fill the position of Director of Protein Chemistry. Applicants should hold a Ph.D. or equivalent experience in protein chemistry and have at least 3 years of experience in peptide sequencing and synthesis. The successful applicant is expected to supervise, maintain and administrate the University of Massachusetts Medical Center Protein Chemistry Core Facility. This facility was established to serve UMMC faculty who require custom peptide synthesis and peptide sequence analysis as part of their research programs.

Tate and salary will be commensurate with experience.

Send curriculum vitae, outline of scientific background and the names of three references to:
Dr. H.M. Goodman
Office of Scientific Affairs
University of Massachusetts Medical Center
55 Lake Avenue North
Worcester, MA 01655

An equal opportunity/affirmative action employer

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Schering

Senior Scientists

If exploring the frontiers of Biotechnology is what you have in mind, come to Schering-Plough Research.

Here's your opportunity to be part of a creative team working at the forefront of one of the most dynamic areas of medical investigation. You will participate in research projects that could lead to significant pharmaceutical discoveries. To qualify, you must hold a Ph.D. in Biochemistry or a closely related field with 0-3 years' solid hands-on research experience in protein biochemistry. Training in peptide synthesis, peptide/protein purification, production of antibodies, epitope analysis and receptor binding studies would be ideal. Familiarity with biophysical techniques (e.g., NMR studies, molecular modeling) is considered a definite asset.

We offer highly competitive salaries and an excellent benefits package. For immediate, confidential consideration, please forward your resume to: Mr. G. Czuba, Schering-Plough Research, P.O. Box DD-43/81, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer.

What you have in mind, we put in action.

Schering-Plough
**ENTOMOLOGIST**

FMC Corporation, a Fortune 150 leader in Agricultural Chemical R&D, is seeking a PhD Entomologist to join the research team in the discovery of insecticides.

Working closely with Chemists and Biologists, the position is responsible for the development and implementation of laboratory testing procedures for screening and evaluation of new insecticide leads. The successful candidate will have the ability to generate new ideas, define projects and to supervise their implementation. Superior written communication and interpersonal skills would be expected.

A PhD in Entomology or Economic Entomology with 3 to 5 years of directly applicable industry experience desirable, including hands-on experience in the evaluation of insecticides in the laboratory. A background in the use of statistical procedures and their application to experimental design and data analysis for agricultural chemicals preferred.

FMC offers a professional environment and state-of-the-art equipment at its Princeton location. Salary commensurate with experience, excellent benefits.

Please send resume to Karla Filson, FMC Corporation, Dept. 90-51, Box 8, Princeton, NJ 08543. Equal Opportunity Employer, M/F.

Females are encouraged to apply.

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**MOLECULAR BIOLOGIST**

**Cardiovascular Research**

Join Wyeth-Ayerst Laboratories, one of the largest research-based pharmaceutical companies, as a Molecular Biologist in their Cardiovascular Pharmacology Department. Here you will be involved in applying a broad spectrum of techniques in recombinant DNA to isolation, analysis, and expression of genes with potential pharmaceutical interest in Cardiovascular Research.

The successful candidate should possess a BS/MS in Biology with laboratory experience in molecular biology. Experience in performing tissue culture, gene cloning, DNA sequencing, southern/northern blot analysis and gene expression in either prokaryotic or mammalian systems is required.


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**Cardiovascular Research**

Genentech, Inc. is a biotechnology company focused upon the discovery and development of human therapeutic products. We are in the process of enlarging the Cardiovascular Research department in order to expand our position in developing cardiovascular health care products.

Our intent is to establish multi-disciplinary discovery groups that can approach cardiovascular disease processes using state-of-the-art technology. These groups will consist of pharmacologists, molecular biologists and protein chemists working together with the goal to integrate the various technologies in the study of biological systems.

We actively encourage publication, both internal and external research collaborations and have well-established post-doctoral training programs. Our facilities are located in a new research building overlooking the San Francisco Bay and located in close proximity to three major universities.

**Pharmacologists, Research Associates**

Individuals who have a Bachelor or Master’s degree and are interested in applying and developing their expertise in the above areas are encouraged to apply. Applicants should have some experience with in vivo pharmacology. Successful applicants will be expected to assume the design and implementation of work directed towards on-going projects.

Genentech, Inc. offers an excellent salary and benefits package coupled with the opportunity to make a significant contribution to our organization. For consideration, please send your resume to Yvonne Davino, Human Resources Dept. SB-0518, Genentech, Inc., 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal employment opportunity. Women and minorities are encouraged to apply.

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**Pharmacologists, Ph.D.**

The successful candidates will be investigators who have a proven record of creative, original research. Two to four years of work beyond a Ph.D. in areas that relate to cardiovascular/renal/pulmonary physiology are desired. Experience in areas related to vascular/blood biology desirable.
The Electric Power Research Institute, Inc. (EPRI) requests letter proposals on the subject, "Cellular Responses to Low Frequency Electric and Magnetic Fields (EMF)." The objective should be to establish and define conditions for reproducible cellular responses to low frequency EMF with an emphasis on quantitative relationships between EMF parameters and biological endpoints. Applicants should briefly describe the proposed research and include both biological and engineering approaches. Novel approaches are welcome but must be well characterized and readily transportable to other laboratories.

Letter proposals will be reviewed for scientific merit and relevance to EPRI’s research program on EMF and health. Successful applicants will be invited to submit detailed proposals in response to a formal Request for Proposals (EPRI RFP 2965-14) to be issued in July, 1990. Awards for several research contracts are anticipated. Individual contracts are expected to cover three years and not exceed a total cost of $450,000.

The Electric Power Research Institute, Inc. is a non-profit organization, formed to conduct research on behalf of member utilities and their customers. The Environment Division at EPRI currently sponsors a wide-ranging research program on 60 Hz EMF and health, consisting of studies in epidemiology, exposure assessment, and basic sciences.

Please address letter proposals to: Dr. Charles N. Raferty, Project Manager, Environment Division, Electric Power Research Institute, 3412 Hillview Drive, Palo Alto, CA 94304. For consideration, all letter proposals must be received by June 18, 1990.

*It is the policy of EPRI not to solicit or accept proposals or other documents that are marked to indicate that they are the confidential or proprietary information of the sender or that restricted handling is required. Normal business propriety will be observed in handling of proposal materials.

**FELLOWSHIP AT NIH**

National Institutes of Health, Public Health Service, Fellowship in Anatomy, Cell Biology, Molecular Biology, as related to Alzheimer’s disease and Down syndrome (trisomy 21). The Laboratory of Neurosciences at the National Institute on Aging, NIH, invites applications for a Staff or other Fellowship position to study gene expression in the nervous system in experimental models and in the human brain. Electron microscopic, histological, immunocytochemical and in situ methods are employed to examine regional gene expression and local pathological process, in relation to neurodegenerative disorders or aneuploidy. The applicant should be experienced in these methods, in the study of human brain tissue, and possibly in tissue culture and tissue transplantation techniques. Studies are conducted on brain tissue from Alzheimer’s disease and Down syndrome patients, and from mouse trisomy 16 (model for human trisomy 21) and other aneuploid mouse preparations. Position is located in Bethesda, Maryland and salary is commensurate with qualifications. Send Curriculum Vitae and 2 letters of reference to:

Dr. Stanley T. Rapoport, Chief
Laboratory of Neurosciences
Building 10, Room 6C-103
National Institutes of Health
9000 Rockville Pike
Bethesda, Maryland 20892

NIH is an Equal Opportunity Employer

**BIOCHEMIST/PHARMACOLOGIST**

Research Assistant

The Upjohn Company’s commitment to neuroscience research has created an opportunity for a research Biochemist/Pharmacologist in our CNS Research Group. The responsibilities include screening of novel compounds by receptor binding assays and follow-up studies for investigating receptor mediated functions using enzymatic assay, radioimmunooassays, and HPLC. Qualifications include a BS or MS degree in biochemistry or related discipline and experience in pharmacology and neurochemistry of central cholinergic system. A demonstrated ability to work independently and effectively communicate the results of research experiments are necessary. Training and experience in computer sciences would be helpful.

Upjohn offers competitive compensation and benefits programs in addition to a stimulating multi-disciplinary research environment at our modern laboratories located in Kalamazoo, Michigan. For confidential consideration, please forward your CV/resume to THE UPJOHN COMPANY, CORPORATE RECRUITING, KALAMAZOO, MI 49001 or materials may be faxed to 616-329-5525. Refer to Position Number $688-4A in your correspondence. An Equal Opportunity Employer M/F.

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Cost: $1400 (includes tuition, materials, room and board)

Application Deadline: August 1, 1990

For further information contact Office of Sponsored Programs, MBL, Woods Hole, MA 02543 (508) 548-3705, Ext. 216.
TOXICOLOGISTS

California Department of Food and Agriculture seeks staff toxicologists and associate toxicologists in its pesticide regulatory program. Incumbents will evaluate toxicology studies and/or conduct risk assessments. Positions exist for individuals with master's and/or doctorate degrees in toxicology, pharmacology, biochemistry, or a related field with suitable experience in animal toxicology. Salary range begins at $4398 per month for staff toxicologists and $5320 per month for associate toxicologists. Comprehensive benefits package. Continuous testing, oral exam required. Submit resumes to: Department of Food and Agriculture, Examinations Unit, 1220 N. Street, Room 154, Sacramento, CA 95814.

SENIOR TOXICOLOGIST (Washington, D.C.)

Coordination and development of testing procedures, selection and conduct of such testing. The supervision of scientific research regarding the safety of cosmetic ingredients: responsible for providing membership and standing committees with a detailed analysis of research, and for preparation of reports which will make such research and findings understandable to other scientists and laymen engaged in the manufacture, marketing, and distribution of cosmetic products. Position requires an advanced knowledge of toxicology including metabolism, pharmacokinetics, and classic in vivo safety testing. The following research experience specific to the area of toxicology studies, including experience in evaluating toxicity and epidemiology data and extrapolating from animal to man in determining potential hazard and assessment of risks. Ph.D. in biological chemistry or toxicology and 2 years of postdoctoral research as well as 2 years of experience in position offered are required. Forty-hour week, 8:00 a.m. to 5:00 p.m.; salary: $53,000 per year. Proof of legal right to work in the United States must be provided. Send resumes in duplicate to: Department of Employment Services, 500 C Street, N.W., Room 325, Washington, DC 20001. Refer to: Job Order #7821.

SITUATIONS WANTED


WATER RESOURCE SCIENCE UNIVERSITY OF CALIFORNIA, DAVIS

The Department of Land, Air and Water Resources seeks applicants for 1 Postdoctoral training and research position in water resource science at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. The appointee will develop a vigorous research program focusing on the interface between scientific hydrology and water resources management and public policy. The work should integrate the latest scientific hydrological techniques into the decision-making and public policy process dealing with water resource development, conservation, and pollution. We seek a strong scientist with a Ph.D. in hydrology, water resources, hydrology, engineering, or a closely related field, plus formal background and some training in water resources policy and management. The appointee is expected to teach at least two undergraduate core courses in water science, and will develop a graduate course in water resource science or his or her area of interest. The position is available 1 year from date of initial decision. To submit applications, transcripts, research and teaching statements with background in each, copies of relevant publications and manuscripts, and the names and addresses of at least four references to: Professor Graham E. Fogg, Resource Science Search Committee Chair, Department of Land, Air and Water Resources, 1158 V although Hall, University of California, Davis, CA 95616. Telephone: 916-752-6810. Applications should be postmarked by 1 August 1990. A more detailed job description can be obtained from the above address. The University of California is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL TRAINING PROGRAM IN BIOCHEMISTRY AND IMMUNOLOGY UNIVERSITY OF CALIFORNIA, DAVIS

Applications are invited for a postdoctoral training position in the Basic Science and Immunology Program of the University of California, Davis. The program is directed toward the training of a new generation of scientists in the fields of biochemistry and immunology. Applicants will be trained in laboratory techniques, and will be required to complete a formal comprehensive examination. Salary is expected to be $30,000 per year. The application deadline is August 31, 1990. The program will continue until funding is exhausted. Applications should include a CV, three letters of recommendation, and a statement of research interests. The University of California is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL TRAINING PROGRAM IN MEDICAL GENETICS

The Interdepartmental Medical Genetics Program at Stanford University School of Medicine provides advanced clinical and/or research training related to human inherited disease. Well-represented areas of the program include: the molecular basis of heritable disorders, including polygenic and multifactorial diseases; chromosome structure and function; functional genomics; and gene mapping; the development of methods to manipulate and to study large fragments of DNA; and developing animal models and new treatment modalities of human genetic disease by homologous recombination. Individuals with an M.D., Ph.D., or equivalent degree are eligible for this 3-year program which includes an extended period of research training with one of 26 training faculty and the opportunity to pursue applied training in clinical genetics, clinical cytogenetics, or molecular genetics in an ABMG-accredited setting. M.D. or Ph.D. applicants are encouraged to apply. For more information contact: Uta Francke, M.D., Departments of Genetics and Pediatrics, Howard Hughes Medical Institute, Stanford, CA 94305-5140.

RESEARCH SPECIALIST II. Operation of biopolymer laboratory using two ABI Model 380B oligonucleotide synthesizers and ABI Model 240A N,N, N',N'-tetramethylethylenediamine (TMEDA) peptidyl synthesizer, and Waters HPLC system. Oversees shared facilities, tissue culture, darkroom, common equipment areas. Ph.D. in microbiology, related field. Applicants with B.S. or master's degree will be considered. Resume to: David Ginsburg, M.D., University of Michigan Medical School, 1150 West Medical Center Drive, 4520 MSRB I, Ann Arbor, MI 48109-0650.

VIROLOGIST. Monsanto's Corporate Research Glycogenes function has an opening for a virologist to participate in a viral glycoprotein project. This position requires a Ph.D in virology or a closely related discipline and postdoctoral experience. Additional experience in the area of oligosaccharide characterization is preferred. Interested candidates should send their resume and three letters of recommen- dation to: Monsanto Inc., BBER-GL 700 Co. forterfield Parkway, St. Louis, MO 63198. Equal Opportunity Employer, M/F/H/V.

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