CANCER RESEARCH POSITIONS AVAILABLE AT THE NORRIS COTTON CANCER CENTER (NCCC), Dartmouth Hitchcock Medical Center

Applications for faculty positions (ASSISTANT to FULL PROFESSOR) are invited from scientists who are studying breast, colon, lung, prostate, or ovarian cancers. The full-time position requires a commitment to the Norris Cotton Cancer Center (NCCC) as of July 1, 1993. The successful candidates will become members of appropriate departments at Dartmouth Medical School. The responsibilities include developing a strong, externally funded research program that will form a bridge between basic and clinical personnel and contributing to graduate education. The NCCC is an NCI-sponsored Comprehensive Cancer Center and has academic membership with both Dartmouth Medical School and Dartmouth College. All applicants should have M.D. or Ph.D. and postdoctoral training, and will be expected to be independently productive but capable of effective collaborative interactions. Send curriculum vitae, description of research interests and names of three academic referees to: Dr. Edward Bresnick, Director, Norris Cotton Cancer Center, Dartmouth Hitchcock Medical Center, 1 Medical Center Drive, Lebanon, NH 03756-0043. Dartmouth College is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

AIDS VIROLOGIST OR IMMUNOLOGIST FACULTY POSITION

The University of Washington seeks candidates at the ASSISTANT or ASSOCIATE PROFESSOR level to do research on AIDS molecular virology or immunology with joint appointments in the Departments of Pathobiology, School of Public Health, and Regional Primate Research Center. Candidates should have experience in retrovirology, immunology, or related disciplines, and should see research with nonhuman primate models of SIV and HIV as important to their career goals. Experience in primate research is desirable but not essential. Primary criteria are a history of excellence and promise of continued research performance of the highest standard.

As a tenured faculty member in Pathobiology, the appointee will participate in departmental activities, including teaching, research, and directing graduate students and fellows. Interested candidates should send their curriculum vitae to: The Center for AIDS Research, University of Washington, Box 357665, Seattle, WA 98195-7665. The University of Washington is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Applications are invited for a biochemistry tenure-track position in the Department of Chemistry and Biochemistry at the level of ASSISTANT PROFESSOR, beginning August 1, 1993. Consideration will be given to candidates in any area of modern biochemistry, cell biology or molecular biology who have a good research background. The successful candidate will be expected to establish a research program that will attract external funding, and to teach biochemistry or cell biology at both the undergraduate and graduate level.

FACULTY POSITION

Molecular Nutrition Scientist

The Department of Nutrition and Food Sciences at Utah State University invites applications for a tenure-track position at the ASSOCIATE PROFESSOR level or above with 30% teaching and 70% research responsibilities. This position requires a research emphasis in cellular and molecular mechanisms of nutrition, teaching experience in upper-division nutrition or molecular biology courses, a strong research track record in biochemistry, immunology, endocrinology or molecular genetics, and a Ph.D. in Nutrition Sciences or related field. Proficiency in the application of fundamental techniques in biochemistry, immunology, protein chemistry, and demonstration of collaborative endeavors is desired. This position offers an opportunity for collaboration with other Utah State faculty including nutritionists, food scientists, microbiologists, biologists, biochemists, and geneticists. A letter of application, professional curriculum vitae, and names and addresses of three academic referees should be sent to: Bart Weimer, Ph.D., Chairperson Search/Screening Committee, Department of Nutrition and Food Sciences, Utah State University, Logan, UT 84322-8700; Telephone: (801) 750-3356; FAX: (801) 750-2379. Review of applications will begin May 31, 1993, and continue until a suitable candidate is found.

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AMGEN

Our entrepreneurial environment naturally evolves as a function of our mission: the development of recombinant DNA-based human therapeutics, utilizing the principles of cellular and molecular biology through rapid product development and innovative commercialization strategies. We currently have opportunities for the following professionals:

**Postdoctoral Research Fellow**

A Ph.D. in Molecular Biology, Cell Biology or Biochemistry is required for this Postdoctoral position in our Inflammation Department. Areas of research include investigating molecular mechanisms of leukocyte trafficking and activation. Experience with recombinant DNA technology and characterization of ligand-receptor interactions is preferred. If you're interested in this position, please submit a CV and a short statement of research interests. (Job Code OA-SC-JC-001)

**Scientific Programmer**

Candidate will provide programming support for the Research staff focusing on scientific data acquisition and analysis, customization of existing scientific software, and development of new applications. A BS in Life Science, or a BS in Computer Science with experience in biochemistry or life science, coupled with 3-5 years programming experience in Fortran and C required. Experience in an academic or research environment, as well as familiarity with UNIX, VMS, PC DOS and Mac OS preferred. Excellent communication skills essential. If you’re interested in this position, please submit your resume. (Job Code OA-SC-JC-002)

At Amgen, we invest our employees with the freedom to manage their affairs, regulate the quality of work, and make decisions within company goals. And we back this freedom with meaningful challenge and responsibility, as well as a compensation and benefits package that reflects the level of our commitment. If you’re interested in either of the above positions, please submit appropriate information, for confidential consideration, to: Amgen Inc., Staffing, Job Code (See Above), Amgen Center, Thousand Oaks, CA 91320-1789.

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OSTEOPOROSIS

DRUG RESEARCH AND DEVELOPMENT

NPS Pharmaceuticals, Inc. combines a novel focus on calcium-related drug targets with a nontraditional program in discovery of natural product drug leads. NPS has developed unique multidisciplinary therapeutic programs based on the pharmacology and the pathophysiology of the calcium-dependent mechanisms that regulate cell function. The company has built a significant library of novel compounds as well as identified lead compounds for its programs in central nervous system disorders and in bone and mineral-related diseases. NPS has a well-established team of scientists working on a novel therapy for hyperparathyroidism. The company is now expanding its program in osteoporosis.

The therapeutic program in osteoporosis is based on compounds that target novel receptors on parathyroid cells, osteoclasts, and C-cells. As part of this expansion, we are inviting applications from those with technical expertise in assessing bodily calcium metabolism. Both senior (Ph.D.) and associate (M.S., B.S.) research positions are available as are postdoctoral appointments.

We are particularly interested in candidates who have experience in assessing, either in vitro or in vivo, bone resorption and turnover. Those specializing in the biology of the osteoclast are especially encouraged to apply.

If you have a desire to make a large impact in a growing company, we would like to hear from you. NPS is located in the University of Utah Research Park at the foot of the Wasatch mountains. We offer competitive salaries, comprehensive benefits, and a stimulating atmosphere in which to do important work. Please send your resume to: Director of Personnel, Reference #OST393, NPS Pharmaceuticals, Inc., 420 Chipeta Way, Salt Lake City, UT 84108. No phone calls or agency referrals. NPS Pharmaceuticals, Inc. is an Equal Opportunity Employer.

NPS PHARMACEUTICALS
CENTER FOR INTERNATIONAL FORESTRY RESEARCH (CIFOR)

Outstanding Opportunities in Tropical Forest Sciences

The Center for International Forestry Research (CIFOR) is a new nonprofit, autonomous, scientific research organisation with headquarters at Bogor in Indonesia. CIFOR is a focal point for strategic forestry research in the pan-tropics of the developing world and is one of 18 international agricultural research centres supported by the Consultative Group on International Agricultural Research (CGIAR).

Applications are invited for international staff positions, to be filled as soon as possible in order to implement both the 1993 programme and the medium-term plan which is currently being developed. Staff are sought for the following programme areas:

- social sciences, economics, policy analysis and development;
- conservation and management of natural forests;
- rehabilitation of degraded and depleted forest lands;
- utilization and marketing of forest goods and services;
- research support, information services, development of human and institutional resources.

In addition, CIFOR will be recruiting for a number of other research positions in the next 12 months.

Applicants should possess (1) a PhD or equivalent research qualification followed by a distinguished record of research in tropical forest sciences or related subjects, and (2) experience of living and working in developing countries. Applicants should have demonstrated ability to develop functional collaborative research partnerships with national research institutions in both developed and developing countries.

All positions require substantial travel. Applicants should have an ability to work with people of different cultures and nationalities. They must have good communications skills and be able to represent CIFOR effectively to national research services, officials of governments, donor agencies and other international organizations.

Excellent knowledge of spoken and written English is essential for all positions. Applicants should have a working knowledge of either French or Spanish, preferably both. Knowledge of Bahasa Indonesia would be an advantage.

Appointments will be initially for periods of 2-3 years with a probability of extension. Salary and related benefits are free of local taxes for expatriates, and commensurate with comparable international organizations.

Applicants should send their curriculum vitae, a narrative of their suitability for one of the above positions, date of availability, and names of three referees (including telephone, telex or fax numbers, if available) to Jeffrey Sayer, Director General of CIFOR (Jalan Gunung Batu 5, P.O. Box 161, Bogar 16001, Indonesia). Acknowledgement of receipt of applications and further information about job responsibilities and terms and conditions of employment will be sent only to suitably qualified applicants.

CIFOR IS AN EQUAL OPPORTUNITY EMPLOYER
POSITIONS OPEN

FACULTY POSITIONS IN NEUROSCIENCE AND ANATOMY

The Department of Neuroscience and Anatomy of the Pennsylvania State University College of Medicine, the Milton S. Hershey Medical Center, has tenure-track ASSISTANT PROFESSOR positions for the current and forthcoming academic years. Qualified individuals should have a Ph.D. or M.D. degree, postdoctoral training, and research interests in areas of developmental neurobiology, cellular neurobiology, molecular biology, neurochemistry, or cellular electrophysiology. More experienced individuals may also be considered for ASSOCIATE PROFESSOR positions. Appointed faculty are expected to maintain an active research program and participate in departmental teaching. Interested persons should send curriculum vitae, a statement of research interests, and names of three references to: Robert Landgraf, Professor and Chair, Department of Neuroscience and Anatomy, The Milton S. Hershey Medical Center, P.O. Box 850, Hershey, PA 17033. Deadline for applications is May 15, 1993. The Pennsylvania State University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

ASSISTANT/ASSOCIATE PROFESSOR IMMUNOLOGIST

Department of Laboratory Medicine and Preclinical Sciences
University of California, San Francisco (UCSF)

The UCSF Department of Laboratory Medicine in- vitates applications for Director of the Immunology Section of the Department of Laboratory Medicine. Responsibilities include overhaul of the Immunology Section and the development of a research program, and teach residents, fellows and students. Joint appointment in the UCSF Program in Biomedical Sciences is expected. Please send cur-riculum vitae, a brief statement of research interests and the names of references to: Theodore Kurtz, M.D., Immunology, Department of Laboratory Medicine, University of California Medical Center, Box 0134, San Francisco, CA 94143. UCSF is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSISTANT PROFESSOR position available in the area of growth factor signaling in hepa- tocytes. Candidates should have previous independent grant support. Please send curriculum vitae, summary of research interests and arrange for 3 letters of recommenda- tion to be sent to: Ms. Ruth Kers, Staff Assistant, Department of Laboratory Medicine, University of Pennsylvania, Philadelphia, PA 19104-6059 by 14 May 1993. Affirmative Action/Equal Opportunity Employer.

The Applied Mechanics Division of the Mechanical Engineering Department of Stanford University an- nounces an Academic-year faculty position at the ASSISTANT PROFESSOR level. The successful applicant is expected to have a background in and a commitment to basic research in biomechanics or bioengineering possibly including, but not limited to, the areas of cardiovascular, sports, or connective tissue bio- mechanics, and the analysis and interpretation of modern diagnostic imaging methods. Candidates should have strong teaching interests and skills in the mechanics of deformable solids including elasticity, inelasticity, continuum mechanics, and wave propagation. Stanford Univer- sity is an Equal Opportunity/Affirmative Action Employer and especially encourages applications from interested minority and female candidates. Applicants should submit a resume containing a list of publications and names of references to: Professor C. R. Steele, Chairman, Search Committee, Director of Applied Mechanics, Durand Building, Stanford University, CA 94305-4040.

ASSISTANT PROFESSOR of Biochemistry. Full- time, starting 1 July 1993. Ph.D. in Biochemistry re- quired, medical school teaching experience preferred. Duties include teaching students of medicine, pharmacy and optometry. Send curriculum vitae and three letters of reference, by 15 May 1993, to: Edye E. Groscolose, Ph.D., Department of Biochemistry, Southern University of the Health Sciences, 1750 F St, E. 167th Street, North Miami Beach, FL 33162-3017.

POSITIONS OPEN

ASSISTANT PROFESSOR. The Department of Microbiology and Immunology, at the University level, is currently seeking an ASSISTANT PROFESSOR in basic immunology. The successful candidate will have a strong background in molecular biology as well as in immunology. The individual will be expected to develop an independent research program and participate in teaching activities within the department. Candidates must have a Ph.D. or M.D., or equivalent degree, in an appropriate field. All candidates must be interested in animal models. Send curriculum vitae, a statement of research interests, and three letters of recommendation to: Robert Gruno, Ph.D., Department of Microbiology and Immunology, University of Illinois at Chicago, 833 S Peoria St., Chicago, IL 60612. Deadline: May 1, 1993. The University of Illinois at Chicago is an Equal Opportunity Employer.

OREGON GRADUATE INSTITUTE

FACULTY POSITION

Applications invited for positions in the Department of Chemical and Biological Sciences at the ASSOCIATE or FULL PROFESSOR level. Responsibility is for the development of a research program, and teach students. Candidates with a Ph.D. or equivalent degree in biochemistry, chemistry, molecular biology, or related area are invited to apply. Send curriculum vitae, statement of research and teaching interests, and names of three references to: Dr. Robert P. Cornett, Department of Chemistry and Biological Sciences, Oregon Graduate Institute of Science and Technology, 20000 N.W. Walker Road, P.O. Box 91000, Portland, OR 97291-1000. Equal Opportunity Employer.

ECOLOGY/ENVIRONMENTAL SCIENCE

The University of North Carolina at Asheville invites applications for a tenured-track ASSISTANT PROFESSOR to begin August 15, 1993. We seek candidates with strong commitment to undergraduate teaching and research in applied ecology. Teaching responsibilities will include ecology courses as well as other undergraduate environmental science courses such as Introductory Air Pollution or Environmental Policy. Ph.D. in ecology or related area required. Submit curriculum vitae, official transcripts, statement of research and teaching philosophy, reprints, letters of reference, and a description of teaching experience to: Dr. Keith E. Hall, Department of Biology, University of North Carolina at Asheville, Asheville, NC 28804, Telephone: (704) 262-6444. UNC/A is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSISTANT PROFESSOR. Position is immediately available to work with molecular biology of nuclear retinoid receptors. A doctorate in an appropriate field with experience in molecular biology, e.g., cloning, Northern blots, recombinant DNA tech- niques, characterization of DNA-binding proteins and cell culture is desirable. Location is very desirable also for mountainous setting. Send résumé and three references before May 15, 1993, to: Dr. R. P. Sharma, Toxicology Program, Utah State University, Logan, UT 84322-5600. Equal Opportunity/Affirmative Action Employer.

PHYSIOLOGIST

Cleveland Chiropractic College, serving greater Los Angeles, invites applications and nominations for a full-time faculty position. The successful candidate will have earned a Ph.D. in (human) physiology, evidence of at least five years of successful college teaching experience, and an established record of successful individual teaching and administrative duties related to program development. The professional program consists of 5 years, with a renewable contract after a minimum of two years of prepro- fessional work. Annual salary will be based on the range for an ASSO- CIATE/ASSISTANT Professor. Applicants must have a D.C. degree and management. Send a letter, curriculum vitae, appropriate reprints, statements of teaching philosophy and research interests, and three letters of recommendation by June 1, 1993 to: Dr. John D. Packard, Department of Medical and Surgical Sciences, Cleveland Chiropractic College, 1700 N. Vermont Avenue, Los Angeles, CA 90040.

ASSISTANT/ASSOCIATE PROFESSOR VERTEBRATE/WILDLIFE ECOLOGY

Applications should have a Ph.D., publications, teaching experience and commitment to integrating theoretical and applied approaches to course and student management. Send a letter, curriculum vitae, appropriate reprints, statements of teaching philosophy and research interests, and three letters of recommendation by 15 June 1993 to: Dr. J.M. Packard, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX 77843-2258. TAMU is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ANIMAL CELL BIOLOGY/PHYSIOLOGY. One-year, non-renewable ASSOCIATE/ASSISTANT Full Professor positions are available at the University of Delaware. Responsibilities include teaching introductory biology and core cell biology course, teaching advanced course in some aspect of cell biology, and supervision of student research. Mount Holyoke College, a liberal arts college for women, seeks to foster multicultural awareness in the entire community and is an Affirmative Action/Equal Opportunity Employer. Candidates must have a Ph.D. with postdoctoral experience. Send curriculum vitae, recent reprints, list of relevant cours- es, and arrange to have three letters of recommendation sent to: Dr. Edye E. Groscolose, Department of Biology, Mount Holyoke College, South Hadley, MA 01075. FAX: 413-538-2327; e-mail: 436

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mal@mtholyoke.edu.

ASSISTANT/ASSOCIATE PROFESSOR

ANATOMICAL SCIENCES. Applications are invi- ted for a tenure-track appointment as an Assistant/ Associate Professor in the Department of Anatomy, College of Veterinary Medicine, Cornell University. Candidates must have a strong background in the mor- phological sciences and a productive research program. Collaborative opportunities exist, including programs in cancer biology, exercise physiology, reproduction biolog- istry, molecular biology, animal genetics and development, pain, and clinical and translational research. Candidates should have experience in the morphological sciences and commitment to teaching in our interdepartmental anatomy curriculum. Ph.D. or M.D. is re- quired; D.V.M. and postdoctoral experience are desir- able. Send curriculum vitae, description of teaching and research experiences, statement of plan, and letters of four references to: Dr. Cornelia Farmum, Department of Anatomy, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6410. Deadline is January 1, 1993; starting date: January 1994. Cornell University is an Equal Opportunity/Affirmative Action Employer.

EDUCATION

TWO TENURE-TRACK FACULTY POSITIONS IN BIOLOGY

UNIVERSITY OF DELAWARE

Position I. ASSISTANT PROFESSOR in CELL BIOLOGY. Preference will be given to applicants with research experience in the biology of the membrane receptor. Teaching responsibilities include a course in molec- ular or cell biology, and an advanced course in her/his specialty.

Position II. ASSISTANT or ASSOCIATE PROFESSOR in CELL PHYSIOLOGY. Preference will be given to applicants with research experience in membrane transport. Teaching responsibilities include being coordinator of and teaching half of a two-semester course in human physiology for advanced undergradu- ates, and an advanced course in her/his specialty.

The successful candidates will be expected to develop and fund research programs with broad evolutionary perspectives and using cellular/molecular approaches. Candidates must have a Ph.D., at least two years of postdoctoral experience and complement existing faculty research strengths. Applicants should submit by May 7, 1993, a cover letter indicating position desired, curricul- um vitae, three letters of recommendation, copies of key reprints, present and future research plans, and teaching experience and philosophy to: Chairperson, Search Committee, School of Life and Health Sciences, Uni- versity of Delaware, Newark, DE 19716; Telephone: (302) 831-6977, FAX: (302) 831-2281.

The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from minority group members and women.

ASSISTANT/ASSOCIATE PROFESSOR

VERTEBRATE/WILDLIFE ECOLOGY

Applications should have a Ph.D., publications, teaching experience and commitment to integrating theoretical and applied approaches to course and student management. Send a letter, curriculum vitae, appropriate reprints, statements of teaching philosophy and research interests, and three letters of recommendation by 15 June 1993 to: Dr. John D. Packard, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX 77843-2258. TAMU is an Affirmative Action/Equal Opportunity Employer which encourages applications from qualified women and minorities.
Immunex Corporation, a leading biotechnology company focused on the discovery, development, manufacture and marketing of products to treat cancer and autoimmune disease, has a number of positions open as a result of an expansion in our development activities. We are recruiting for the following positions in our Process Development Group:

**DIRECTOR**

**Drug Delivery/Formulation**

The successful candidate will have 5-10 years experience in Biopharmaceuticals, with extensive knowledge of regulatory, manufacturing and clinical requirements for new drug formulations and delivery systems. A strong background in protein chemistry or analytical biochemistry is required. Responsibilities include: the development of liquid and lyophilized formulations for protein therapeutics, sustained release formulations, accelerated stability studies, and pulmonary delivery of proteins. (#1495344)

**STAFF SCIENTISTS**

**Analytical Biochemistry**

We require two scientists who will develop rapid, high resolution methods for in-process monitoring of clinical fermentation and purification processes. Responsibilities will also include methods development for product characterization and quality control analyses. The successful candidates will pursue novel approaches and apply conventional techniques for quantitative analysis and characterization of both peptide and carbohydrate components of microbial and mammalian cell derived proteins. Experience with protein purification, mass spectrometry and immunological assays is desirable. (#7215341)

**Mammalian Cell Development - Biochemical Engineer**

The primary responsibility of this person will be the development of cell culture processes for the manufacture of human therapeutics. All aspects of process development will be addressed including process format, bioreactor design and process optimization. This person will also work closely with operations personnel in the transfer and implementation of manufacturing processes and will troubleshoot existing processes when necessary. Essential skills include a fundamental knowledge of engineering principles as they apply to the development of large-scale mammalian cell culture processes. Familiarity with statistical methods of experimental design and data analysis will be important. The successful candidate will also possess a general knowledge of bioreactor design and control instrumentation and will be expected to provide input into future equipment and facility design. Experience working with a variety of mammalian cell lines and some understanding of cell biology and cell physiology will be very beneficial. Scientists with a Ph.D. in chemical or biochemical engineering are encouraged to apply. (#7215346)

**Formulation**

The successful candidate will be responsible for designing stability studies to test the functional and chemical integrity of new therapeutic proteins and assist biologists and clinicians in evaluating new drug delivery systems. The project will include liquid formulation development and pulmonary delivery (powder or aerosol) for a variety of recombinant proteins. Experience with sustained release formulations, spray drying and lyophilization is desirable. (#7215344)

Staff Scientists candidates should hold a Ph.D. degree and possess significant postdoctoral experience demonstrating independent research skill and creativity and will have demonstrated an ability to work in a collaborative environment.

Immunex Corporation offers a fast-paced, stimulating environment, a competitive salary and an excellent benefits package. We are located in downtown Seattle, in full view of Puget Sound and the Olympic Mountains, close to many recreational and cultural activities. For consideration, please send or fax your C.V., names of three references and a list of publications to the following address and specify the appropriate job number:

**IMMUNEX CORPORATION**, Attn: Human Resources 51 University Street, Seattle, WA 98101, Fax: (206) 623-4572.

For information on current opportunities at IMMUNEX, call our Job Line: **206•389•4060**

*Equal Opportunity Employer.*
Trials are HIV. To work in the United States, 438 teaching, able research (Professor), Hawaii by May 15, 1993. Letter of application, with supporting materials, should be sent to: Dr. Gary Coffman, Chair, Department of Science, New Mexico State University, 670 East Lockwood, St. Louis, MO 63119.

GENETICIST

TENURE-TRACK POSITION, ASSISTANT PROFESSOR LEVEL. Beginning August 1993, to teach undergraduate courses in genetics and/or introductory biology courses. A strong commitment to teaching excellence and involvement of students in research is required. Ph.D. in Genetics or a closely related field, bilingual (fluent in Spanish/English). Submit curriculum vitae, statement of teaching and research interests, and three letters of recommendation by May 15, 1993, to: Dr. Carmen Umphire, Chairperson, Biology Department, University of Puerto Rico, Cayey, PR 00736. UPR is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR

RETORVIRAL RESEARCH LABORATORY

Faculty position (ASSISTANT/ASSOCIATE RESEARCHER or ASSISTANT/ASSOCIATE PROFESSOR), federal funds, 11-month, non-tenure-track, Research Centers in Minority Institutions Program, Pacific Biomedical Research Center, University of Hawaii, beginning July 1993. Incumbent will establish and direct a research and diagnostic laboratory as part of a multidisciplinary program investigating patterns with HIV infection, and develop an extraordinarily fundable research program in basic or clinical aspects of HIV in collaboration with Hawaii AIDS Clinical Trials Unit. Qualified candidates will be expected to participate in medical teaching related to clinical care. Candidates must have an M.D. degree. Salary is commensurate with the American Board of Infectious Diseases or a Ph.D. in a biological science and at least two years of laboratory experience with HIV. Knowledge and experience with cell culture, quantitative HIV culture, PCR, ELISA and blotting techniques are required. Previous experience with AIDS Clinical Trials Groups and immuno flow cytometry is desirable. Appointment is for a full academic year beginning July 1993. Salary includes base salary and compensation, and participation in accordance with University scales. Submit curriculum vitae and the names of three references by May 20, 1993, to: Dr. Heath Horn, University of Hawaii AIDS Research Consortium, Leahi Hospital, 3675 Kilauea Avenue, Honolulu, HI 96811; Telephone: (808) 733-7251. The University of Hawai`i is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

CHIEF OF PATHOLOGY AND LABORATORY MEDICINE—The Department of Pathology of the Northwestern University Medical School invites candidates for Chief of Pathology and Laboratory Medicine at the Veterans Affairs Lakeside Medical Center, Chicago, Illinois. The VA Lakeside Medical Center is a major 350-bed service, teaching, and research facility located on the Chicago campus of Northwestern University. Full academic and clinical pathology support is provided for hospital and outpatient clinical programs. Candidates must have board certification in surgical pathology and/or cytopathology. Preference is given to individuals with a background and commitment to research with publications for appointment at the level of ASSOCIATE PROFESSOR/PROFESSOR. Salary is commensurate with the level of interest. Qualified candidates are requested to send curriculum vitae and three references no later than May 15, 1993, to: Janardan K. Reddy, M.D., Chairman, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611-3008.

Northwestern University seeks an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States.

CORNELL UNIVERSITY

FACULTY POSITION. Cornell University's Division of Nutritional Sciences seeks candidates for a tenure-track position; ASSISTANT PROFESSOR (preferred); 35% teaching; 65% research. Nutritional Aspects of Molecular/Cellular Biology/Mammalian Biochemistry. Successful candidate expected to develop strong research program in nutrition suitable for training graduate students; to attract external funding to support this research program; and to participate in undergraduate and graduate teaching program. Research programs with relevance to nutritional issues at the molecular, cellular, or organismal level are of particular interest. If appointed, doctoral degree must have postdoctoral experience and demonstrate potential for outstanding accomplishments in research and teaching. Position available January 1, 1994. Rank and competitive salary commensurate with background and experience. Attractive benefits available. Qualified applicants must submit curriculum vitae, list of publications, statement of research and teaching interests, and names/addresses of three references to: Dr. Kathleen M. Rasmussen, Search Committee Chair, Division of Nutritional Sciences, Cornell University, 111 Savage Hall, Ithaca, NY 14853-6301. Screening of applicants begins June 1, 1993, and will continue until position filled.

FACTORY POSITION

The Department of Biochemistry UMDNJ-Rutgers Medical School

The Department of Biochemistry at the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School seeks a tenure-track position at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. M.D., or equivalent, postdoctoral training and significant research accomplishment in molecular biology, biochemistry, cellular or developmental biology. Successful candidates should establish a vigorous research program, in addition to teaching medical students. Send curriculum vitae, reprints, a statement of research accomplishments and plans, and arrange to have 3 to 4 letters sent to: Dr. Marvin G. Steinberg, Professor, UMDNJ-Rutgers Medical School, 675 Hoes Lane, Piscataway, NJ 08854-6535.

UMDNS, New Jersey's University of the health sciences, is an Affirmative Action/Equal Employment Opportunity Employer, M/F/H/V, and a member of the University Health System of New Jersey.

FACULTY POSITIONS

Department of Biological Sciences University of Massachusetts, Lowell

The Department of Biological Sciences invites applications from qualified candidates for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. Successful candidates will be members of an Immunologist with a background in molecular biology, and demonstrated experience with techniques such as: antibody engineering, monoclonal antibody production, lymphocyte culture, and/or transgenic. The second position is for a Biotechnology/Biochemistry major. Send curriculum vitae, resumes; and names of three references to: Dr. Farish Jenkins, Jr., Chairman, Department of Biological Sciences, University of Massachusetts, Lowell, MA 01845. Salary is commensurate with experience and qualifications. UMass is an Affirmative Action/Equal Opportunity Employer; women and minority candidates are encouraged to apply.

CHAIR

Department of Biochemistry and Molecular Biology University of Nebraska College of Medicine

Applications and nominations are invited for the position of Professor and Chair of the Department of Biochemistry and Molecular Biology. We seek a person to give focused administrative and academic leadership to all aspects of the department's activities. The new chair will have the opportunity to recruit additional faculty and develop new programs. Applications should include curriculum vitae and the names, addresses, and telephone numbers of three or more references. Application deadline is May 31, 1993. Send information to: Thomas H. Rosenquist, Chairman, Biochemistry and Molecular Biology Search Committee, c/o Dean's Office, University of Nebraska College of Medicine, 600 South 42nd Street, Omaha, NE 68198-6720. Information about the University of Nebraska is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

MOLECULAR BIOLOGIST/CELL BIOLOGIST—The Specialized Center of Research on Arteriosclerosis in the Department of Medicine at the University of California, San Diego, seeks qualified Ph.D. candidates for an ASSISTANT PROFESSOR in RESIDENCE. Previous experience in transgenic mouse research desirable. Will be expected to identify genes involved in the atherogenic process. Salary commensurate with experience and based on established University scales. Submit curriculum vitae and addresses of 3 references by May 21, 1993, to: Daniel Steinberg, M.D., Ph.D., Director, Specialized Center of Research on Arteriosclerosis, University of San Diego, School of Medicine, 2700 Health Sciences Drive, San Diego, CA 92103. UCI is an Affirmative Action/Equal Employment Opportunity Employer.

LECTURERS, Department of Applied Biology and Chemical Technology, Hong Kong Polytechnic. Applications are invited for Lecturers in the following areas: (1) Microbiology/Genetics; (2) Plant/Animal Physiology; (3) Biotechnology. A relevant Ph.D. degree is normally required. Working or teaching related experience in applied biology would be an advantage. Candidates may be appointed to a post in the College of Science and Technology (CDST), the College of Technology, or the College of Humanities and Social Sciences. Applications should be made available to the Department. Applications are welcome from both internal and external candidates. Applications should include a curriculum vitae, a letter of application stating the preferred subject area(s), and the names and addresses of two referees. Enquiries should be sent to: The Chairman, Department of Applied Biology and Chemical Technology, Hong Kong Polytechnic, Hung Hom, Kowloon, Hong Kong (Fax: (852) 36431166 or Email: BITNET.HKPOLY@ HKPC.C.AFF. HKU). Further information will be provided on request from the same office.

INVERTEBRATE ZOOLOGIST—DEPARTMENT OF ORGANISIC AND EVOLUTIONARY BIOLOGY

HARVARD UNIVERSITY

The Department seeks a broadly based invertebrate zoologist whose work addresses the organismic and evolutionary biology of living invertebrates (exclusive of insects). The appointment will be to a TENURED PROFESSORSHIP. We are especially interested in individuals whose research experience and interests extend across phyla. Applicants should submit, by 1 June 1993, curriculum vitae, a statement of research and teaching interests, and the names and addresses of three references to: Professor Farish A. Jenkins, Jr., Chairman, Invertebrates Committee Department of Organismic and Evolutionary Biology Harvard University Cambridge, MA 02138

Harvard University is an Affirmative Action/Equal Opportunity Employer. We encourage applications from women and minority groups.
Cyanamid Promotes Pioneering Spirit of Top Scientists

Extraordinary growth at the Agricultural Research Division of American Cyanamid Company has created a broad range of opportunities for talented research scientists. Here at our 640-acre campus-like headquarters, just minutes from Princeton University, you'll find a highly supportive community of experienced scientists in an environment where ideas are encouraged and talent is recognized and rewarded. Currently we are seeking individuals with an MS or a BS and three years of laboratory experience to join us in the following areas:

Animal Molecular and Cellular Biology

Apply the tools of molecular biology to enhance animal health and performance. Your research will focus on the investigation of structure/function/activity relationships of the involved peptide hormone receptors with emphasis placed on the signal transduction pathway of the growth hormone receptor system. Experience in molecular biology is essential with strong skills in protein biochemistry and knowledge of peptide receptor systems beneficial. Dept KY

Animal Biochemistry

Participate in a program in which biochemical and molecular biology/genetic approaches are used to select novel targets and to design and implement screens that will identify compounds useful in controlling animal parasites. Strong skills in biochemical, genetic and molecular biology techniques are required; knowledge of C. elegans biology is helpful. Dept AE

In addition to our unique interdisciplinary environment, American Cyanamid Company offers a competitive salary and excellent benefits package. For immediate consideration, please forward your resume to: Employment Office, American Cyanamid Company, Agricultural Research Division, P.O. Box 400, Princeton, NJ 08543-0400. An equal opportunity employer.

Research Food Scientist

The Pfizer Food Science Group has established a goal of becoming the preeminent supplier of high value healthful food ingredients to the worldwide food processing industry. In support of that mission, Pfizer Inc, Central Research Division is expanding its capabilities in food science. Due to an accelerated research program, there is a need to increase our efforts in testing the safety and tolerance of new food additives.

Currently, we are seeking a highly motivated research scientist to be responsible for the management and conduct of the nutritional, metabolic and safety assessment of new food chemical products. You should have a PhD or the equivalent in nutritional toxicology, biochemistry or related field, with emphasis in metabolism, as well as some food industry experience highly desirable.

Our international research-based company uses advanced techniques to generate new products, new areas of revenue and career opportunities that self-directed, talented people will find stimulating and rewarding. The primary R&D facility for Pfizer Inc is located in a southeastern Connecticut shore community, giving easy access to the well known academic and cultural centers of the Northeast and offers the attractions of a New England lifestyle.

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.

To learn how you can be part of the future of Pfizer, send your resume to: Lorraine C. Corr, Supervisor, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. We are an equal opportunity employer.

Central Research
Bringing science to life.
DEAN, COLLEGE OF PHARMACY, UNIVERSITY OF Utah,

Salt Lake City, UT 84112. The University of Utah is an Equal Opportunity/Affirmative Action Employer; applications from qualified female/minority candidates are encouraged.

ASSOCIATE DIRECTOR OF ANESTHESIA RESEARCH

The Department of Anesthesia at Rush Medical College invites applications for the position of Associate Director of Anesthesia Research. Experience required in large and small animal models, with specific emphasis on data analysis. The College of Pharmacy at Rush-Presbyterian-St. Luke's Medical Center is an Equal Opportunity/Affirmative Action Employer. Candidates are encouraged to apply.

MOLECULAR BIOLOGIST OF CANCER MEMORIAL Sloan-Kettering Cancer Center

Tenure-track appointments at the ASSISTANT and ASSOCIATE MEMBER level are available at Sloan-Kettering Cancer Center for laboratory roles in the cellular and molecular biology of prostate cancer. Among areas of interest are regulation of growth and differentiation in pros tate cancer, molecular cancer biology and cancer genetics. Salary range is $40,000 to $55,000, depending on experience. The College of Pharmacy at Rush-Presbyterian-St. Luke's Medical Center is an Equal Opportunity/Affirmative Action Employer. Candidates are encouraged to apply.

CHAIR OF MEDICINE, UCLA SCHOOL OF MEDICINE

The UCLA School of Medicine invites applications for a CHAIR for its Department of Pathology and Laboratory Medicine. The Chair will provide leadership for the teaching, clinical, and research programs of the department. Candidates are invited to submit a letter of interest to: Pathology Search Committee, UCLA School of Medicine, Office of the Dean, 12-138 CHS, Los Angeles, CA 90024-1722. UCLA is an Equal Opportunity/Affirmative Action Employer.

MOLECULAR BIOLOGIST OF IMMUNOLOGY DUKES UNIVERSITY MEDICAL CENTER

The newly formed Department of Immunology invites applications for junior- and senior-level tenure-track faculty positions. Candidates working in the broad areas of lymphocyte biology and lymphocyte development are encouraged to apply.

HISTOLOGY AND CELL BIOLOGY, EMBRYOLOGY

The Department of Anatomy of the University of Puerto Rico, Mayaguez Campus, seeks TWO VISITING FACULTY for fall semester, 1993 (beginning August 2): (a) team-taught medical histology and embryology; rank and salary in accordance with experience and present position, from Instructor to Professor; (b) team-taught medical histology and histology-technology education, rank of Instructor or Assistant Professor. Second position may become tenure-track. Forward curriculum vitae as soon as possible to: Dr. John G. Cant, Department of Anatomy, G.P.O. Box 360507, San Juan, PR 00936-5067, or Telephone: 809-754-6274.

POSTDOCTORAL POSITION available immediately to study dynamics of actin in fibroblast locomotion using correlated video microscopy, microinjection of fluorescent cytoskeletal proteins, immunocytochemistry and electron microscopy.

Send curriculum vitae and 3 letters of reference to: Dr. Julian F. Heath, Baylor College of Medicine, CNRC, 1010 Bates, Houston, TX 77030. (FAX: 713-798-7130).
Kalamazoo provides an outstanding mix of recreational & cultural pursuits, boasting its own symphony orchestra, arts center, museum & planetarium, local theater, sports clubs, public golf courses and more. The area enjoys a reasonable cost of living and housing market, and excellent schools and universities.

Upjohn has worked on its own and with several Kalamazoo agencies to help employees balance the demands of work and family. Special programs include a Child Care Resource & Referral Program; an ElderSource Program for elderly dependents, a “Workable Solutions” program for emergency child care, and flexible work schedules such as job sharing.

Upjohn scientists conduct world-class research in multi-disciplinary teams using state-of-the-art equipment (over 50% of our research facilities are less than 10 years old). Our new, $122 million, 700,000-square-foot research building (opened 1992) has doubled the size of our Kalamazoo research campus.

Our investment in research as a percentage of sales ($549 million in 1992) is among the highest in the industry. To ensure a rapid discovery-development cycle, research teams develop multiple analogs of promising chemical classes, conduct worldwide preclinical and clinical trials in parallel, and apply computer technology to hasten regulatory review of NDAs.

**QUALITY OF LIFE**

**QUALITY OF WORK**

Applications are invited for the post of Teaching Consultant in the Field of Statistics and Measurement in Psychology in the Department of Psychology. The filling of the post is subject to the availability of funds, but it is hoped that an appointment can be made with effect from September 1993. The post is on "local" terms of service, and the appointee will not be entitled to expatriate benefits such as housing, passages and baggage allowances. On reaching point 6 or above of the salary scale, however, the appointee will be eligible to apply for a Private Tenancy Allowance.

Applicants should have a Ph.D. degree, and knowledge of Hong Kong. Fluency in Chinese is preferred. Teaching, consultation and supervising student research will be required.

Annual salary (superannuable) is on a 7-point scale:


Starting salary will depend on qualifications and experience.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (Fax: (852) 559 2058; E-mail: APPTUNIT@HKUVM1.HKU.HK).

Closes 28 May 1993.

**RESEARCH OPPORTUNITIES ABROAD FOR U.S. BIOMEDICAL SCIENTISTS**

**JOHN E. FOGARTY INTERNATIONAL CENTER**

For Advanced Study in the Health Sciences
NATIONAL INSTITUTES OF HEALTH

**Senior International Fellowships**: 3 to 12 months for use in any foreign country. Applicants must be more than 5 years post doc with a permanent position in the U.S.

**Foreign-supported Fellowships (Postdocs)**: 1 year in Finland, France, Germany, Ireland, Israel, Japan, Norway, Sweden, Switzerland, or Taiwan.

**Hitchings-Ellen Fellowships (Postdocs)**: 2 years in the United Kingdom or Ireland and 1 year in the U.S.

**Fogarty International Research Collaboration Award (FIRCA)**: 1-3 years; small research grants for equipment, supplies and travel for collaboration between U.S. investigators and scientists in Central and Eastern Europe, former Soviet Union, or Latin America.

For info: International Research & Awards Branch
Fogarty International Center
National Institutes of Health
Bldg. 31, Room B2C39
Bethesda, MD 20892
Tel: (301)496-1653
Fax:(301)402-0779
**POSITIONS OPEN**

**MOLECULAR PARASITOLOGISTS**

A SENIOR-LEVEL POSITION and a POST-DOCTORAL FELLOWSHIP are available in a large, multidisciplinary malaria vaccine development program. Projects involve identification, cloning, and expression of candidate pre-erythrocytic stage malaria vaccine antigens, development of a transfection system for Plasmodium, and inhibition of gene expression using antisense oligonucleotides. Candidates should have a strong background in molecular biology or biochemistry and immunology.

**UNIVERSITY OF WISCONSIN**

POSTDOCTORAL POSITIONS (two) are available to study the regulation of nicotinase kinases (JBC 266, 18012) and phosphatases of nitrate reductase (JBC 266, 18012) in the Wisconsin Department of Plant Pathology. The position requires a strong background in molecular biology and experience in purifying enzymes. Send curriculum vitae, names of references, and a brief statement of research experience to: Dr. Richard A. Anderson, University of Wisconsin, Department of Plant Pathology, Madison, WI 53706.

**POSTDOCTORAL POSITIONS in Psychoimmunology**

POSTDOCTORAL FELLOWSHIPS in psychoneuroimmunology and neuroimmunology are available at the University of Iowa. Applicants must have a Ph.D. in neuroscience, immunology, or related fields. Send a letter of application and curriculum vitae to: Dr. Richard A. Mathies, Department of Psychiatry, University of Iowa, College of Medicine, Iowa City, IA 52242-1007. The University of Iowa is an Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITIONS**

POSTDOCTORAL POSITIONS available immediately in the area of Neuropharmacology/Neuroendocrinology. Candidates should have a Ph.D. in related fields. Preference will be given to applicants with experience in HPLC, RIA, and behavioral measurements. Send curriculum vitae, a brief statement of research experience and interest, and the names and telephone numbers of at least three references to: Dr. Magdi R. Soliman, Department of Basic Pharmaceutical Sciences, College of Pharmacy, Florida A&M University (FAMU), Tallahassee, FL 32307. FAMU is a Historically Black University/Equal Employment Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITIONS**

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For over 50 years, Hewlett-Packard has earned a legendary reputation for our achievements—both in innovative, quality products and in the way we respect our employees—a philosophy known as the HP Way.

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Opportunities are available for Sales Representatives, Customer Marketing or Design Engineers with one or more of the following educational backgrounds:

- BS Chemistry
- BS Biochemistry
- BS Mechanical Engineering
- BS Electronic Engineering

Please send your resume and statement of career goals to Hewlett-Packard Company, Analytical Products Group, Headquarters, 3495 Deer Creek Road, Paló Alto, CA 94304-1316. Attn: Group Marketing Manager.

Hewlett-Packard is proud to be an equal opportunity employer through affirmative action.

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Our entrepreneurial environment naturally evolves as a function of our mission: the development of recombinant DNA-based human therapeutics, utilizing the principles of cellular and molecular biology...through rapid product development and innovative commercialization strategies. We currently have opportunities for the following professionals:

**Research Associate (Immunology)**

Candidate must have a BS degree in Biology, Biochemistry or a related field. Responsibilities will include production and characterization of monoclonal antibodies and biological/immunoassay development. A strong knowledge of and experience with Immunology and cell culture is required; minimum two years experience in monoclonal antibody production with some background in protein and immunochemistry preferred. (Job Code 04-Z-225)

**Research Associates (Neuroscience)**

Candidates must have a BS/BA degree in Psychology, Neuroscience or Biology. Responsibilities will include stereotaxic rodent surgery, preparation of brain sections for immunohistochemical and in situ hybridization analysis, quantification of probes using computer-assisted image analysis, statistical evaluation and written/oral presentation of results. Candidates will plan experiments and write results for public presentation. A Master's degree and/or three years neuroscience experience in stereotaxic surgery, immunohistochemistry and computer-assisted image analysis is preferred. Neurochemical assay experience and knowledge of neurohistological techniques is highly desirable. HPLC experience and assessment of learning/memory in rodents is advantageous. Computer literacy (DOS preferred) essential. Independence, creativity and leadership will be encouraged. (Job Code 03-Z-238)

At Amgen, we invest our employees with the freedom to manage their affairs, regulate the quality of work, and make decisions within company goals. And we back this freedom with meaningful challenge and responsibility, as well as a compensation and benefits package that reflects the level of our commitment. If you're interested in these positions, please submit your resume, for confidential consideration, to: Amgen Inc., Staffing, Job Code (See above), MS 10-1-A-411, Amgen Center, Thousand Oaks, CA 91320-1789.

We are an equal opportunity employer M/F/D/V.
The Murdoch Institute for Research Into Birth Defects and the University of Melbourne seek applications for appointment to the position of Director of the Institute and Professorial Associate with the title of Professor of the University. The basic academic qualification of the appointee may be in either science or medicine.

Applicants should have an international reputation in research relevant to genetic diseases and other causes of birth defects, interpreting these fields of science very broadly. Considerable experience in clinical genetics or proven ability to collaborate well with clinical geneticists is important. Applicants must be able to interact effectively with private and corporate sponsors and with governments and research funding agencies. Experienced administrative support is available.

The Institute (staff of 60), and its subsidiary, the Victorian Clinical Genetics Service (VCGS) (staff of 30), are closely integrated but operate independently and are located together within the Royal Children's Hospital, close to the University and comprising part of the greatest local concentration of biomedical research activity in Australia. The Board of the Institute wishes to maintain and promote further the close integration of research and clinical work for which the Institute and VCGS are renowned. The Founding Director, Professor David Banks, has directed both the Institute and the VCGS. It is not essential for his successor to continue this arrangement but the option is available.

The Institute has substantial private and corporate endowment and is one of the 5 research institutes in Australia funded by a Block Grant from the National Health and Medical Research Council. The VCGS is funded by the Victorian Government to provide a full range of genetic services to a population of 5 million.

The appointee will be expected to take up the position not later than July 1, 1995 but an earlier appointment may be negotiated.

An attractive remuneration package will be negotiated based on the salary of a Professor of the University with additional benefits.

A statement with further information and details of method of application is available from Mr. Nell Walford, Chairman, Board of Directors, Murdoch Institute for Research into Birth Defects Limited, Royal Children's Hospital, Flemington Rd., Parkville 3052, Australia (Telephone 61-3-345-5045) (Facsimile 61-3-348 1391) with whom applications, which should be marked "Confidential", close on July 31, 1993.

The National Fisheries Contaminant Research Center, U.S. Fish and Wildlife Service, Columbia, Missouri is seeking an individual for the position of Deputy Chief Biologist (GM-13). The Deputy Chief is responsible for assisting in the management and direction of the Biology Division's research program. The scope of the Division's research activities includes: 1) toxicological studies of acute and chronic exposures of aquatic organisms to contaminants; 2) fundamental physiological, biochemical, behavioral, and genotoxicological investigations of contaminant effects on aquatic organisms; 3) studies of contaminant residue kinetics and dynamics; 4) studies of contaminant interactions with aquatic microbial communities; 5) investigations of the impact of contaminants on trophic relationships in model ecosystems; and 6) field investigations of contaminant impacts in polluted water bodies. Desired qualifications include a Ph.D. in the environmental sciences with expertise in ecotoxicology and experience in managing research projects.

The starting salary for a GM-13 position is $47,920. Interested candidates should send a curriculum vitae to MS. Arlene Schwab, U.S. Fish and Wildlife Service, National Fisheries Contaminant Research Center, 4200 New Haven Road, Columbia, MO 65201. For additional information about the position, contact Dr. Denny R. Buckler, Chief Biologist, NFWRC, 314-875-5399 (FAX 314-876-1896).

ALL CANDIDATES WILL RECEIVE CONSIDERATION WITHOUT REGARD TO AGE, RACE, RELIGION, COLOR, NATIONAL ORIGIN, POLITICAL, SEX, OR OTHER NON-MERIT FACTORS.

THE MURDOCH INSTITUTE FOR RESEARCH INTO BIRTH DEFECTS LIMITED AND THE UNIVERSITY OF MELBOURNE

PROFESSOR/DIRECTOR OF THE MURDOCH INSTITUTE

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NOW WE'RE LOOKING FOR YOU.

Take advantage of these unique opportunities to contribute to our next breakthrough in hematopoietic stem cell research.

RESEARCH ASSOCIATE/MOLECULAR BIOLOGY

Use a broad range of molecular biology techniques to support research activities. Requires 2+ years' DNA and cell culture experience.

SCIENTIST/TISSUE CULTURE

Maintain and test in-house stromal cell lines, and conduct research to identify and isolate novel hematopoietic supportive cells. Requires 5+ years' experience in tissue culture (adherent cells).

DIRECTOR/MOLECULAR BIOLOGY

Lead a first rate molecular biology group. We require strong leadership experience, an extensive understanding of hematopoiesis, and a strong corporate or academic track record.

PROJECT MANAGER/GROWTH FACTORS

Manage a major collaborative growth factor project. You'll need strong organizational skills and extensive knowledge of hematopoietic growth factors and stem cell biology.

To learn more about this chance to beat the odds, please send your resume to: SyStemix, Dept. SVS43, 315 Port River Drive, Palo Alto, CA 94304 or FAX it to (415) 856-4919. We offer an excellent compensation and benefits package and a high quality work environment. We are proud to be an equal opportunity employer.

The University of Maryland (UMD), a land-grant, sea-grant, and space-grant institution, is an Equal Opportunity/Affirmative Action Employer and invites applications from women and minority candidates. Applications from all qualified individuals are encouraged.

NATIONAL research serves
to meet the needs of all Americans. UMD invites applications for tenure-track faculty positions in the Department of Pharmacology. The Department of Pharmacology invites applications for 2 tenure-track positions, one at the Assistant Professor level and the other can be a senior level. Individuals will be expected to develop a strong research program preferably in the general area of molecular biology or cancer biology, and to teach medical and graduate students. The positions offer competitive salaries and laboratory start-up packages.

The department has recently expanded and research opportunities exist for Postdoctoral candidates interested in cancer biology, cancer pharmacology, and protein-nucleic acids interactions.

Please send curriculum vitae and three letters of reference to: Dr. Leroy F. Liu, Dept. of Pharmacology, UMDNJ-Robert Wood Johnson Medical School, 675 Hoos Lane, Piscataway, NJ 08854-5635. UMDNJ. New Jersey's University of the health sciences, is an Affirmative Action/Equal Employment Opportunity Employer, m/f/lh/v, and a member of the University Health System of New Jersey.
As the eyes of the health care industry focus on our world-class research and development environment, the people at Boehringer-Ingelheim continue to make significant contributions to achievements in a wide range of selected diseases...with demonstrated success in cardiovascular, pulmonary, viral and immune-mediated pharmaceuticals.

In our enduring mission to push back the boundaries of science, we recommit ourselves to providing the patients that use our products with the highest standards of scientific and medical excellence, safety, quality and reliability.

To accomplish this goal, we are expanding our renowned R&D Center. This has created a variety of opportunities for Ph.D as Process Chemists; BS and MS Scientists in either Pharmaceutical Formulations or Drug Metabolism and Pharmacokinetics; and a Ph.D Scientist for the stability assessment section of the Analytical Sciences Department.

As we grow in stature, we reaffirm our appreciation of the individuals who made it possible...and our pledge to them of personal respect, fair compensation and equal treatment in an environment that promotes professional development.

Located on a campus-like setting in a beautiful area in Western Connecticut, we offer state-of-the-art resources, a strong commitment to research and a dynamic team-oriented environment where individuals give voice to their visions.

For consideration, send resume and salary history, indicating position of interest, to: Dept. MH-1S, Boehringer Ingelheim Pharmaceuticals, Inc., 900 Ridgebury Road, P.O. Box 368, Ridgefield, CT 06877-0368. We are an equal opportunity employer m/f/d/v. As a progressive health care company, we have a non-smoking environment.

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**A place of scientific achievement for you... and the world**

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**Equal opportunity in employment is University policy**

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**Director of NH&MRC National Research Centre for Environmental Toxicology**

Applications are invited for the position of the Director of the NH&MRC National Research Centre for Environmental Toxicology. This Centre was established as an initiative of the National Health & Medical Research Council of Australia in collaboration with The University of Queensland and Queensland Health. It is an autonomous academic unit within The University of Queensland. It is located in the Queensland Government Chemical Laboratories at Coopers Plains, Brisbane, which is part of a growing complex that will ultimately form the Queensland Health Sciences Institute. It is also expected that collaborations with the nearby Griffith University will develop.

The Centre will be the focus of environmental toxicology in Australia and is expected to fulfill a national role in all aspects of the discipline. A major goal is to become a centre of excellence in research in human environmental toxicology. It is also expected that the Centre will train postgraduate research students, provide information and education for relevant professionals, and develop an information service in environmental toxicology. The opportunity exists also for consultative work by the Centre for State and Federal Governments and industry.

It is anticipated that the Centre will achieve its research goals by developing a number of groups with expertise in areas such as epidemiology, biological monitoring of low level exposure, mechanisms of toxicity and risk assessment. These groups, which will be established by the Director, will each consist of a senior scientist and support staff. The Director will be expected to have expertise in one of these areas as well as management and consultative skills.

The Director will be expected to have an international reputation in environmental toxicology. Medical qualifications are desirable but not essential. Appropriate experience and the ability to manage a research group are essential. If qualifications and experience are acceptable to the Selection Committee and the University, the appointment will be made at Professorial level.

Salary: Professor $A77,900 per annum. A Clinical Loading of $A13,484 per annum may be applicable. Method of application: An original plus three (3) copies of an application and resume, including the names, addresses and facsimile numbers of three referees quoting Reference No. 11993 should be sent to the Director, Personnel Services, The University of Queensland, Qld 4072, Australia, and should reach him no later than 12 May 1993.

For further information please contact Professor Susan Pond, Department of Medicine, The University of Queensland, Princess Alexandra Hospital, Ipswich Road, Brisbane, Queensland 4102, Australia. Telephone +61-7-240-5329, Facsimile +61-7-240-5399.
POSTDOCTORAL POSITIONS

The Department of Medicine/Medical Oncology of The University of Texas Health Science Center at San Antonio (UTHSCSA) has positions available for postdoctoral trainees in our NIH-funded breast cancer SPORE program. Areas of research include: immunohistopathologic evaluation of prognostic factors, molecular characterization of ER variants, mechanisms of drug and hormone resistance, genetic markers of premalignant disease, oncogenes and tumor suppressors in breast cancer, transgenic mouse models, signal transduction, and growth factors. Minimum requirements are: Ph.D. degree in molecular or cellular biology or M.D. with research experience, U.S. citizen or permanent resident. Stipend to be determined by NIH fellowship guidelines. Send curriculum vitae, letter of research interests, and names of 3 references to: Dr. Robert O. Messing, M.D., Building 1 Room 101, 1001 Potrero Avenue, San Francisco, CA 94110.

POSTDOCTORAL POSITION

Radiation Oncology Research Lab
University of California, San Francisco

To study the role of heat shock proteins in repairing thermal damage to the centrosome, (J. Cell Physiol., 154, 443-452). A significant focus of this position will be the use of immunocytochemistry, protein crosslinking, immunoprecipitation, and Western blotting. The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. Send curriculum vitae to: Dr. Charles Vidalis, Radiation Oncology Research Lab, University of California, San Francisco, 1855 Polk Street, MCB-200, San Francisco, CA 94103-0806; FAX: 415/476-9069.

POSTDOCTORAL POSITIONS

Available on or about 1 June 1993 to study the molecular genetics and biochemistry of natural product and anti-metabolites drug resistance in mammalian cells. Projects include: (1) the use of in vitro selection in vivo with a synthetic gene encoding a drug resistance determinant to obtain altered forms of glycoprotein in an effort to define the mechanism(s) responsible for its drug efflux and chloride channel properties; (2) expression of the gene in mammalian cells in an effort to understand its function; (3) the identification and molecular characterization of the reduced folate transport system. Candidates must have a Ph.D., M.D. or equivalent degree and significant expertise in molecular biology and recombinant DNA techniques. Send curriculum vitae to: Dr. Peter W. Meler, Department of Biological Chemistry and the Molecular and Cell Biology Program, University of Maryland, Biomedical Research Facility, 108 North Greene Street, Baltimore, MD 21201. Equal Opportunity/Affirmative Action Institution.

POSTDOCTORAL ASSOCIATE

McLaughlin Research Institute
Lubbock, Texas

Postdoctoral positions are available to study gene expression in pre-implantation mouse embryos at the McLaughlin Research Institute (MRI) in Great Falls, Montana. MRI is an expanding basic research institute that will focus entirely on the mouse as an experimental model. Questions about this position should be directed to Dr. Philip H. Howe, Department of Cell Biology (NCI), Cleveland Clinic Research Foundation, Cleveland, OH 44195.

POSTDOCTORAL POSITION

Available immediately to investigate the mechanisms of transmission of viral factor(s) to T cells and inhibition. Information will be collected on TGFβ receptor signaling and cell cycle dependent kinases/cyclins. Send curriculum vitae and names of three references to: Dr. William Crain, McLaughlin Research Institute, 1625 Third Avenue North, Great Falls, MT 59401.

POSTDOCTORAL POSITIONS

In Neuroimmuno-

ology/Neuro-ontology at Harvard Medical School begin December 1, 1993. Goal is understanding and manipulating the immune response to CNS antigens, particularly myelin. Applications due 19 March 1993. Projects including: (1) select control of leukocyte traffic, 3-D analysis of tumor-lymphocyte interactions. Training in cellular immunology, molecular biology, or neuropharmacology desirable. Salary: NIH Postdoctoral Fellowship, Brigham and Women's Hospital, Boston, MA 02115.

POSTDOCTORAL POSITIONS

Available immediately on an NIH Vision Training Grant to isolate and characterize cataract genes. Candidate must be a U.S. citizen or permanent resident. Please send curriculum vitae and two references to: Dr. Dwight Stainback, University of Pennsylvania, Scheie Department of Ophthalmology, Department of Genetics, Clinical Research Building, 422 Curie Boulevard, Philadelphia, PA 19104. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Available immediately in the Division of Nutritional Sciences and Section of Biochemistry, Molecular and Cell Biology at Cornell University. The Division involves the characterization of inhibitors targeted at the glucosed-phosphate translocase component of the hepatic microsomal glucosed-phosphate system and use of these site-directed, high-affinity probes to identify the protein and effect its purification. Ph.D. in biochemistry or related field required. Send curriculum vitae and three letters of reference to: Dr. William Stavnezer, 227 Savage Hall, Cornell University, Ithaca, NY 14853. Telephone: (607) 255-2684. Equal Opportunity Employment/Affirmative Action Employer.

POSTDOCTORAL POSITION

Available to study S. cerevisiae in one of the following areas: (1) molecular basis of a novel homologous recombination system, (2) replication and stability of simple repetitive DNA sequences, (3) non-homologous recombination, and (4) cell death. Individual areas of interest include genetic interactions and/or molecular biology are preferred. The University of North Carolina is an Equal Opportunity/Affirmative Action Employer. Send the following: (1) curriculum vitae and three letters of reference; (2) a statement of interests, experience, and research goals; and (3) one of the above; mail to: Dr. T. Petes, Department of Biology, University of North Carolina, Chapel Hill, NC 27599-3280.

POSTDOCTORAL POSITION

In Structural Biology. (Available immediately). NIH-funded research in the laboratory of Dr. Brian Johnston at SRI focuses on the following areas: Structure of recombination intermediate Development of anti-HIV drugs/agents DNA transduction. Recent publications include: PNAS 89, 3526-3530 (1992); Biochemistry 31, 320-327 (1992); 32, 2800-2807 (1993); Nucl. Acids Res. 20, 5279-5288 (1992); J. Mol. Biol., April 3, 1993 issue. SRI (formerly Stanford Research Institute) is a large nonprofit research institute located near Stanford University. Our department, Cell and Molecular Biology, is expanding. Successful Postdoctoral Fellows who wish to continue at SRI may be considered for regular staff positions. Experience in molecular biology or drug design, and/or expertise in biochemistry, computer modeling, and/or synthetic chemistry is useful. Interested candidates for this position have a recent Ph.D. in Chemistry, Biochemistry, Molecular Biology, or related fields. Send curriculum vitae and 3 reference letters to: Dr. Brian Johnston, SRI International 20519, 333 Ravenswood Avenue, Menlo Park, CA 94025. Salary $30,000 plus full benefits. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available immediately to study the molecular mechanisms of homologous recombination reactions. Self-motivated, careful individuals with a demonstrated record of productivity and expertise in molecular biology and/or molecular biology are sought. Send a letter of research interest, curriculum vitae, and names of three references to: Dr. Kenji Adachi, The Rockefeller University, Box 169, 1230 York Avenue, New York, NY 10021. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL SCIENTIST. National Institute for Environmental Studies (NIES), Environmental Health Sciences Division. Applications are invited for a 1-2 year postdoctoral position funded by the Science/Technology Agency, for research into the physiological roles of metalloithins. Experience in molecular biology and cell biology would be an asset. Before application, please see details of the condition of employment (Science 258, 27 March 1992; page 1964). The position includes: (1) a curriculum vitae, list of publications and the names and addresses of two professional referees should be sent to: Dr. C. Tsuchiya, Environmental Health Science Division, NIES, 2-18-1 Onogawa, Tsukuba 305, Japan. Fax: +81-298-51-0471.
Alzheimer Disease Research

Cephalon, Inc., widely recognized as a leader in neurological research and drug development, specializes in developing breakthrough treatments for neurological disorders including narcolepsy, neuromuscular diseases, Alzheimer’s disease and stroke.

As a result of our recently expanded commitment to Alzheimer research, we are now seeking highly motivated individuals at the PhD and non-PhD levels to take a lead role in our efforts to develop in vitro, cell culture-based, and animal models of Alzheimer amyloid. These efforts will be integrated with ongoing research and drug-discovery efforts focused on APP processing and amyloid formation.

Individuals with backgrounds involving some combination of protein chemistry and purification, immunopossays, HPLC and FPLC, mammalian cell culture and molecular biology are encouraged to apply. PhD candidates should have a background in biochemistry, neurobiology or related fields, and 0-4 years of postdoctoral experience. Non-PhD candidates should have 4 or more years of similar laboratory experience.

Cephalon is committed to your professional development. Publications and meeting attendance are encouraged, and interactions are available through outside collaborations with a number of important contributors to the Alzheimer research field. We offer a stimulating and exciting work environment, equity participation, and unlimited growth opportunities.

We are located in the suburban Philadelphia area, providing easy access to the Atlantic Coast and Chesapeake Bay region from New York City, to Washington, D.C. If you are interested in taking advantage of this unique opportunity, please send your resume and names of three references to:

Cephalon, Inc.
Attn: Janet Marie Kuders
145 Brandywine Parkway
West Chester, PA 19380-4245

An equal opportunity employer.

PROMEGA CORPORATION, leading the biotechnology industry worldwide, is currently seeking three qualified professionals with the following expertise to enhance our Nucleic Acid Chemistry R & D team and join a dynamic and rapidly expanding company.

RESEARCH SCIENTISTS

- Bio/organic Chemist with M.S./B.S. in chemistry or biochemistry with 3 years' experience in synthesis of complex molecules; experience with modern separation and analytical techniques including HPLC; and familiarity with experimental molecular biology. Prefer experience in modern synthetic organic methods particularly in a biotechnical or pharmaceutical research environment.

OR

- Experience with development of modified nucleosides and oligonucleotide chemistry as well as molecular biology and chemistry.

OR

- Extensive experience with routine molecular biology methods including Southern/Northern blot analysis, PCR, library construction and screening and routine DNA/RNA manipulation. Experience with in situ hybridization techniques helpful.

The last two positions require an M.S./B.S. in molecular biology or biochemistry and 3-5 years' lab experience. Computer experience desirable.

We offer competitive salary, comprehensive benefits and a challenging, high-growth environment in our modern Midwestern facilities. To apply, forward a resume with salary requirements to: PROMEGA CORPORATION, HUMAN RESOURCES/CS, P.O. Box 7879, MADISON, WI 53711-7879. Equal opportunity employer. (No agency solicitation accepted.)

PROMEGA CORPORATION is proud to be an Equal Opportunity/Affirmative Action Employer.

PROMEGA CORPORATION has gathered a dedicated scientific and administrative team focused on achieving our corporate mission of developing antibody-based therapeutics. Currently we are seeking individuals for the following positions:

DIRECTOR, PRECLINICAL DEVELOPMENT

The Director will provide leadership for multidisciplinary groups responsible for preclinical development of therapeutic antibodies including Path/tox, pharmacokinetics, analytical chemistry, quality control and formulation studies. Qualified individuals should have expertise in preclinical development disciplines and processes necessary for IND and PLA submissions and broad knowledge in the technical and strategic aspects of such disciplines. Industrial experience in managing preclinical development activities, designing protocols and submitting reports, and a track record of regulatory submissions and approvals of INDs and PLAs/NDAs for therapeutic products.

SCIENTIST, PRECLINICAL DEVELOPMENT

This Scientist will conduct pharmacokinetic and pharmacology studies in support of antibody development. Duties will include designing and conducting pharmacokinetic and biodistribution studies on lead antibody products, providing leadership in defining appropriate animal models and systems for characterizing antibody and antibody fragments and conjugates in vivo, and establishing animal models for evaluating pharmacodynamics of antibodies. The successful candidate will have a PhD in Chemistry, Biology, or a related discipline and at least 4 years of industrial experience. Experience should include designing pharmacokinetic/pharmacodynamic experiments and reporting data for regulatory submissions, and working with animals.

CELL BIOLOGIST

This scientist-level position involves establishing cellular and biochemical assays for the evaluation of antibody activities, providing leadership for the characterization of antibody-receptor interactions and agonist/antagonist activities on immune cell functions, and designing and conducting experiments in signal transduction to support antibody evaluation. This individual will be expected to collaborate with other multidisciplinary groups at IDEC and supervise scientific staff. Requirements include an appropriate PhD (e.g. Immunology, Biology, or similar focus) and 4-6 years of related postdoctoral experience.

IDECC Pharmaceuticals is a leader in the development of immunologically active monoclonal antibodies for therapeutic applications in the area of certain cancers, HIV infection, and autoimmune disorders. We pride ourselves in the excellence of our team members and invite you to join us. We offer a competitive compensation package and excellent working conditions. For consideration, please send your resume and references to: IDEC Pharmaceuticals Corporation, Ad SC, 11099 N. Torrey Pines Rd., Ste. 160, La Jolla, CA 92037. EOE.
GLAXO INSTITUTE FOR MOLECULAR BIOLOGY

Research at the Glaxo Institute in Geneva is directed towards the discovery of novel molecular mechanisms that can be used as drug targets to treat serious diseases. In particular, research is focused on the CNS, allergies and inflammatory conditions. We have an outstanding opportunity for a

NEUROBIOLOGIST
to study the Control of Gene Expression in Drug Dependent States

Applications are invited from candidates interested in applying novel approaches to understand drug dependency. The ideal candidate will have several years of relevant experience with modern techniques of histology and image analysis. The successful candidate will have a leading role working with an international team of physiologists, molecular biologists, and pharmacologists investigating the molecular biology of drug addiction. Informal enquiries can be directed to Dr. Eric Kawashima or Dr. Jonathan Knowles at the Glaxo Institute (41-22-7069666).

The Institute provides a dynamic international research environment and actively encourages collaborative projects with academic groups as well as the publication and presentation of results at scientific meetings.

We offer an excellent compensation and benefits package and significant opportunities for career development. Geneva, situated in a very attractive part of Europe, has many advantages as a place to live. The Institute for Molecular Biology is part of the Glaxo group, one of the world’s most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three referees to: Rita Gloo, Personnel Manager, Glaxo Institute for Molecular Biology, 14, chemin des Aulx, 1228 Plan-les-Ouates, Geneva, Switzerland.

SCIENTIFIC OFFICER, OCEAN ACOUSTICS

The Office of Naval Research is seeking a highly qualified individual to plan and manage a contract research program in the broad field of ocean acoustics. The sponsored research is conducted principally at universities and government/industrial laboratories by leading scientists in the field. This is a Civil Service position at the GS-13, 14, or 15 level ($47,920 - $86,589), depending on qualifications.

The individual selected will establish goals for and conceive, organize and direct research and development programs in new areas of ocean acoustics including but not limited to propagation through random media; scatter from rough surfaces; reverberation from surface volume and bottom, specifically as it relates to shallow water acoustics; bio-acoustics; and high frequency acoustics. The incumbent will identify new research opportunities, evaluate and select research proposals for funding, manage funding resources, communicate ONR’s interests to the scientific community and represent the program within the Navy and DoD. This position provides the challenge and opportunity to have a significant impact on the direction and quality of research in ocean acoustics at the national level. Additionally, the opportunity exists to establish or maintain an individual research program at an academic institution or government laboratory.

Applicants must have a Ph.D. or equivalent training in physics or in a physical science area related to ocean acoustics and at least one year of professional experience OR an equivalent combination of education and experience. To be qualifying, this experience must have been at a level of difficulty and responsibility equivalent to that of the next lower grade level in the Federal Service. In addition, the applicant MUST have knowledge and experience in current state-of-the-art research involving ocean acoustics which is evidenced by recent and significant publications in scientific literature. Applicants without this knowledge and experience will not be rated qualified for this position. Demonstrated experience in managing a basic and/or applied research program or project is strongly preferred.

Interested persons should send a resume, list of publications and a Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers or from the address below), to: OFFICE OF NAVAL RESEARCH, SATELLITE HUMAN RESOURCES OFFICE, ONR CODE 01HR1, ATTN: ANNOUNCEMENT #93-07 (SCIENCE), 800 NORTH QUINCY STREET, ARLINGTON, VA 22217-5660.

Applications will be accepted through 28 May 1993, and must be received by that date. Applicants are requested to complete the appropriate supplemental forms. For further information and supplemental forms, please call (703) 696-4705 or TDD (telecommunication device for the deaf) (703) 696-2681.

U.S. Citizenship Required

An Equal Opportunity Employer
A Dynamic, Expanding Research Mission Characterized by Scientific and Cultural Diversity.

A diverse group of dedicated scientists is working at the Miles Research Center (MRC) to develop therapeutic solutions for neuro-degenerative diseases, metabolic disorders and bone and joint diseases. Intelligence, creativity, insight, ability, commitment and determination are critical attributes of good scientists which transcend gender and racial distinction. Miles offers individual scientists an opportunity to grow in an open and challenging international scientific environment with a focus on improving human health and quality of life. The MRC represents an investment in the future of pharmaceutical research by one of the top worldwide pharmaceutical companies. Less than 10 minutes from Yale University, the MRC offers modern, expanding research facilities located along the Connecticut coast between New York City and Cape Cod.

If you are a Ph.D. with at least one year of relevant research experience in any of the areas listed, Miles presents the opportunity to work in a rapidly growing pharmaceutical company with an established history of successful products. We offer a very competitive salary and comprehensive benefits package. Interested candidates, please send resume with salary requirements to: A.R. Aceto, Human Resources Department, Miles Inc., 400 Morgan Lane, West Haven, CT 06516. An Equal Opportunity Employer M/F/H/V.

MILES
Pharmaceutical Division

THE SCRIPPS RESEARCH INSTITUTE

Senior Scientist

We have an immediate opening in our 3M Pharmaceuticals Division for a Pulmonary Drug Discovery Scientist. This position will be located at our Research facilities in St. Paul, Minnesota.

This position will provide technical leadership in a laboratory focused on discovering new drugs for treating pulmonary diseases such as asthma and allergies. Duties will include establishing new primary screening models as well as working with existing ones. Responsibilities also include supervision and interaction with other researchers.

We require a PhD in Pharmacology, Physiology or Biochemistry with a minimum of 3 years research experience. Pharmaceutical experience preferred.

3M has an excellent benefits package with salary commensurate with experience. For confidential consideration send your resume (no phone calls or employment agency referrals, please) to:

NAS Reply Service
Dept. 4MP287
One Apple Tree Square
Minneapolis, MN 55425

We Are An Equal Opportunity Employer
POSTDOCTORAL POSITION

POSTDOCTORAL POSITION ORGANIC CHEMISTRY/MOLECULAR BIOLOGY

Immediately available to study the in vitro selection of protein/nucleic acid interactions and novel ribonucleases (Nature, 346, 818). For chemists: projects involve the evolution of molecular building blocks and, complexes, and will require the synthesis of modified nucleotides. Experience in synthetic organic chemistry (preferably at the dimper level) is must. This is a good cross-over position for chemists who wish to learn molecular biology and participate in the development of medicinally relevant molecules. For molecular biologist: projects involve the selection of nucleic acid sequences that will interact with proteins involved in inflammation response, and will require experience in the in vitro transfection and amplification of BNA and DNA. Send curriculum vitae, including names of 3 references, to: Dr. Andrew Ellington, Department of Chemistry, Indiana University, Bloomington, IN 47405. Active Affirmative Action/Equal Opportunity Employer. 

POSTDOCTORAL POSITION UNIVERSITY OF MICHIGAN

MOLECULAR GENETICS POSITION available immediately to participate in ongoing work to map, clone and study human x-linked retinal disease genes, particularly juvenile retinitis pigmentosa, the most common inherited disorder in molecular biology desirable; genetic aspects will be taught. Affiliated with the Human Genome Initiative at the University of Michigan.

Competitive salary plus benefits. Interested candidates should send curriculum vitae and references to: Dr. Paul Sieving, Department of Ophthalmology and Visual Sciences, University of Michigan, 1000 Wall Street, Ann Arbor, MI 48105. FAX: (313) 936-2340. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION in a neurobiology training program is available to examine effects of withdrawal from a chronic cannabinoid drug in vivo and in vitro recording techniques. U.S. citizenship or permanent residency required. For further information, contact: E. Stovall, Duke University Medical Center, Durham, NC 27710. Duke University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study peptide design, structure and molecular dynamics. Research projects will require the use of automated peptide synthesis, magnetic resonance techniques (ESR and NMR), vibrational and optical spectroscopy. Applicants should have experience with two or more of these techniques and have a Ph.D. in Chemistry, Biochemistry or closely related field. Please send curriculum vitae and three letters of recommendation to: Dr. Deep Pande, Department of Chemistry and Biochemistry, University of California, Santa Cruz, CA 95064.

POSTDOCTORAL POSITIONS AVAILABLE

Molecular and Cellular Biology of Yeast

Positions available for individuals interested in using both genetic and biochemical techniques to understand either the mechanisms of pheromone receptor function, the mechanisms of killer toxin lethality, or the regulation of mriNA stability in the yeast Saccharomyces cerevisiae.

Position A: Projects will focus on the identification and characterization of cis-acting sequences and trans-acting factors that promote the rapid decay of inherently unstable mriNAs. Excellent opportunity for anyone interested in working as a consequence of early nonsense mutations. Position B: Possible research topics include the role that the pheromone receptor plays in signal transduction and endocytosis as well as the mechanism of fast and controlling the elimination of structurally defective receptors. Position C: Functional analysis of cDNA copies of killer genes and the development of defining toxin targets. These include the cell permeability barrier and a cell cycle event between START and the initiation of DNA synthesis.

Applicants should send curriculum vitae and the names of three references to: Dr. Allan Jacobson (Position A), Dr. Duane Jensen (Position B), or Dr. Donald Tipper (Position C). Send curriculum vitae to: Dr. Alecia Alevar-Warren, Department of Comparative Medicine, Tufts University School of Veterinary Medicine, 120 Telfer Ave., North Grafton, MA 01536.

RESEARCH ASSOCIATE/POSTDOCTORAL POSITION

Available immediately to identify genes that could be involved in growth and development of shrimp, supported by the U.S. Department of Agriculture. Recent Ph.D. or D.V.M. graduate with expertise in molecular biology and at least two years of experience with CDNA synthesis and cloning, library screening, and sequencing techniques is desired.

Send curriculum vitae and names of three references to: Dr. Joseph Alvarez, Department of Comparative Medicine, Tufts University School of Veterinary Medicine, 120 Telfer Ave., North Grafton, MA 01536.

POSTDOCTORAL CHEMIST to conduct multi-disciplinary research in the development of new radio-pharmaceuticals for PET and SPECT imaging. Job requires a Ph.D. degree in organic or medicinal chemistry, strong background in computer programming, working knowledge of pharmacology and experience in radioisotope handling helpful but not necessary. Excellent opportunity for chemists to apply synthetic techniques to the in vivo diagnostic drug discovery field. Please send résumé and curriculum vitae to: Dr. Hank F. Kung, Departments of Radiology and Pharmacology, University of Pennsylvania, 3801 or 3026 Market Street, Philadelphia, PA 19104.

POSTDOCTORAL POSITION

POSITIONS OPEN

RESEARCH ASSOCIATE position to investigate the molecular basis of the genetic causes of fetal loss. Requirements: Ph.D. in Molecular Biology or equivalent in Immunology or genetics; experience with reproducible research, molecular techniques and immunohistochemistry. Send curriculum vitae, letters of reference and a statement of interest to: Dr. Stephen J. Gill III, Department of Pathology, School of Medicine, University of Pittsburgh, Pittsburgh, PA 15261. FAX: (412) 648-9530.

RESEARCH SCIENTIST. Duties: To carry out laboratory functions related to microbial transformations of bacterially produced antibiotics. Knowledge in chromatographic separations and spectroscopic characterizations is essential. Requirements: A Ph.D. in Pharmacognosy, Microbiology, Natural Products or related discipline. Postdoctoral experience. Position offers salary range from $25,000 to $30,000; position available for at least two years. Deadline: June 1, 1993. The University of Mississippi is an Affirmative Action/Equal Employment Opportunity Employer.

Research and support information to: Business Office, School of Pharmaceutical Sciences, 206-W Faser Hall, University of Mississippi, MS 38677.

RESEARCH SCIENTIST—CONDUCTORS will plan, conduct and supervise long and short-term research programs to develop thick film conductor ink for various substrates. Will develop slurry formulation for tape applications. Experience with thick film conductor inks; develop test procedures for new products; and develop new processes for producing stable ceramic products. Ph.D. in Chemistry is desirable. Recent Ph.D. in Chemistry will be considered. Salary for recent Ph.D. will be $20,000-$25,000. Send résumé and letter of application by March 31, 1993.

As part of an academic program or industrial employment, candidates must have had at least two years of research experience in development of metal/ceramic/organic suspensions for various applications. Experience must be rheological of organo/aqueous suspensions, colloidal processing, solid/gel processing and sintering of composite powders. Candidate must be familiar with all conductor properties characterization equipment and material characterization equipment such as Scanning Electron Microscope (SEM), X-Ray Diffraction (XRD), Thermo-Gravimetric Analysis (TGA), Surface Area Analyzer, UV Spectrometer, Surface Area and Porosimeter, CIP, Sedigraph, TEM or CIP. A Ph.D. in Material Science, Metallurgical Engineering or Ceramic Engineering and familiarity with quality control procedures and standards for thick film components is required.

Salary: $4,500 per month. Job site/interview: Santa Barbara, California. Send this advertisement and your résumé to: Job #10751, P.O. Box 260905, Sacramento, CA 95826-9065 no later than May 1, 1993.

NEW PRODUCT DEVELOPMENT SCIENTIST

Collaborative Biomedical Products/BECTON DICKINSON Labware develops, manufactures and sells innovative products for cell science and seeks individual to develop new products in areas of extracellular matrix, cytokine and in vitro cell culture systems; provide support to sales, marketing, manufacturing, QA/QC; and participate in product development strategy, testing and applications. Requires advanced degree in life science, preferably cell biology, and 5 to 7 years of related experience. Submit résumé to: C. Kaminsky, Manager, Engineering Sources, Collaborative Prod- ucts/Becton Dickinson Labware, Two Oak Park, Bed-
ford, MA 01730. An Equal Opportunity Employer.

SENIOR NEUROSCIENTIST with interest in ag- ing and neurodegenerative disease. Please send curricu- lum vitae, statement of research interests and laboratory program, and three letters of reference to: Dr. Caleb E. J. Sieving, Department of Pharmacology, University of California, San Francisco, NC 94143.

An Equal Opportunity Employer.
New Jersey Medical School
MINORITY VITAE BANK

UMDNJ-New Jersey Medical School is committed to the successful recruitment and retention of qualified women and members of minority groups. The expansion of our faculty and administrative recruitment program, marked by the development of a Minority Vitae Bank, is designed to maintain an extensive file of candidates who are seeking academic employment. This is not an offer of employment or a placement service. The New Jersey Medical School enthusiastically encourages applications from women and members of minority groups.

Please submit your CV and a cover letter, including a brief summation of your current academic rank and primary academic department, research/academic interests/clinical specialty and any additional background information which might prove helpful in placement. We would also appreciate knowing where you saw this advertisement. Please submit all information to:

Dr. Anthony J. Garro, Associate Dean for Academic Affairs, UMDNJ-New Jersey Medical School, 185 South Orange Avenue MSB C671, University Heights, Newark, NJ 07103-2714. UMDNJ, NJ's university of the health sciences, is an Affirmative Action/Equal Employment Opportunity Employer, m/f/h/v, and a member of the University Health System of New Jersey.

IXSYS INC.

Research Scientists

Ixsys, a growing biopharmaceutical company, exploits a series of unique technologies that permit the discovery of novel therapeutic peptides and human monoclonal antibodies directed toward specific disease targets. We have several research and development positions available immediately for highly motivated and creative individuals for research and development positions.

PRECLINICAL DEVELOPMENT

Scientists/Senior Scientists: A Ph.D. with 3-5 years of industry experience in a multidisciplinary screening laboratory. #3009S

Research Associates/Senior Research Associates: A BS/MS with 3-7 years of laboratory experience in cell biology/cellular immunology and a background in developing in vitro bioassay systems. #3005S

Scientists: A Ph.D. in cell biology and 3 years experience in cell culture and scale-up, antibody isolation, purification and characterization. #3006S

A BS/MS in molecular biology with at least 3 years' experience in mammalian and/or bacterial expression systems. #3007S

A BS/MS in biology/chemistry with at least 2-3 years of experience establishing in vivo and in vitro models with antitumor activities of novel therapeutics. #3011S

PEPTIDE DISCOVERY/ANTIBODY ENGINEERING

Scientists/Senior Scientists: Candidates will establish a protein chemistry laboratory for the identification and characterization of peptides of therapeutic interest. A Ph.D. with at least 5 years' experience is desired. #3012S

Research Assistants/Associates: A BS/MS with at least 1 year of laboratory experience in molecular biology which may include DNA sequencing, gene cloning, peptide screening and ELISA assays. #3006S

Please send your resume to: Ixsys, Inc.
3550 General Atomics Court, Suite L-103, San Diego, CA 92121
(If you send your resume, you should apply for the position listed.)

PIONEERING A NEW CLASS OF HUMAN THERAPEUTICS

At Gilead Sciences, we are pioneering a new class of human therapeutic compounds based on nucleotides, the molecular building blocks of DNA and RNA. Nucleotide compounds can be modified to act inside or outside the cell to selectively inhibit the production or activity of disease-causing proteins. Come join our dynamic team of scientific professionals as we successfully develop disease-fighting drugs that target cancer, cardiovascular disease, inflammation and viral infections.

Opportunities currently exist for Research Scientists, Research Biologists and Research Chemists in the following programs.

Small Molecules:

A New Sphere Of Scientific Influence

We are currently undergoing clinical evaluation for two of our small molecule compounds for antiviral (HIV & CMV) applications. Our Small Molecule Program is focused on the development of small molecule nucleotide analogs designed to interfere with disease-causing proteins.

Aptamers:

Using Test Tube Evolution For Rapid Drug Discovery In Human Therapeutics

Join us as we develop nucleotide affinity agents to fight cardiovascular and inflammatory disorders. Our Aptamer Program is presently pursuing oligonucleotide circulating proteins to achieve inhibition of their activity.

Code Blockers:

Deactiving Disease At The DNA/RNA Level

Our Code-Blocker Program, based on oligonucleotide analogues, is exploring the binding activity of antisense and triple-helix compounds to prevent the expression of disease-causing proteins.

As an emerging force in the biotechnology industry, Gilead provides a comprehensive and benefits package, which reflects our leadership and commitment to our science. To learn more about our opportunities, please send your CV to: Human Resources, Gilead Sciences, 353 Lakeside Drive, Foster City, CA 94404.

We are proud to be an equal opportunity employer.
PRINCIPAL SCIENTIST

Molecular Biology/Pharmacology

The Janssen Research Foundation, a member of the Johnson & Johnson family of companies, is an international leader in the discovery of innovative therapeutics. Inquiries are invited for a position in the Oncology and Endocrinology Research Group located in suburban Philadelphia. To qualify, applicants must have 5 plus years experience after having earned a Ph.D. in Biochemistry, Molecular Biology or related discipline. Broad experience with recombinant DNA techniques is essential. A broad-based knowledge of pharmacology, oncology, or auto-immune/inflammatory disease is a definite asset; additional experience in drug discovery research is preferred, as is supervisory experience.

The successful candidate will be expected to collaborate on and contribute to ongoing research projects as well as establish new drug discovery research programs. A broad application of molecular biology techniques will be required including cloning and cellular expression of human proteins as targets for drug screening, establishing stable transfectant cell lines for functional assays, PCR, and hybridization techniques.

This individual will also closely interact with our Molecular Biology Group located in Belgium.

We offer a competitive salary and the comprehensive benefits of a Johnson & Johnson company. For immediate, confidential consideration, please submit a copy of your resume with salary requirements to: Ms. Jackie Richardson, Janssen Research Foundation, Welsh and McKeen Roads, Spring House, PA 19477-0776. An Equal Opportunity Employer M/F/D/V.

GROUP LEADER Medicinal Chemistry
Reporting to the Head of R&D, this position will oversee our Medicinal Chemistry Group in the areas of synthetic organic chemistry, small molecule synthesis and development of structure/activity relationships. A Ph.D. is required; 5-10 years’ related experience is preferred.

SENIOR SCIENTISTS – Medicinal Chemistry
ScripTech is seeking Ph.D. scientists with 3-5 years’ post-doctoral experience to join its research programs in synthetic organic chemistry and medicinal chemistry. Experience with the design, development and synthesis of synthetic small molecules along with an understanding of structure/activity relationships is required.

SENIOR SCIENTISTS
ScripTech is seeking Ph.D. Senior Scientists with 0-3 years’ post-doctoral experience to join its drug discovery and development teams. Candidates with experience in the following areas will be considered:

- Synthetic Organic Chemistry
- Medicinal Chemistry
- Pharmacology
- Biochemistry
- Structural Biology
- Microbiology
- Molecular Biology

Discover a biopharmaceutical company with a novel approach.

Introduce yourself to ScripTech Pharmaceuticals, Inc., in Cambridge, MA, the new biopharmaceutical company dedicated to discovering and developing a novel class of drugs that act by inhibiting factors which regulate transcription and other processes of gene expression. The key to our achievement is highly motivated, well-rounded professionals who not only reflect the energy, expertise and commitment of our scientific team, but will also thrive in our stimulating, creative environment.

ScripTech offers highly competitive salaries and a comprehensive benefits program. Forward your resume, indicating position of interest, to ScripTech Pharmaceuticals, Inc., Director of Human Resources, 185 Alewife Brook Parkway, Suite 4200, Cambridge, MA 02140. Fax: (617)497-2375. An Equal Opportunity Employer.

RESEARCH OPPORTUNITIES POST-DOCTORAL
Cedars-Sinai Medical Center has immediate Post-Doctoral positions available in the following areas:

VASCULAR BIOLOGY
As a key member of our multidisciplinary Cardiovascular Biology Group, you will be working in our new state-of-the-art Research Building studying vascular biology. NIH funded projects include the molecular biology and action of a novel parathyroid hormone-related protein as well as the generation of transgenic models to study vascular injury. Experience with molecular biology/transgenic animal models preferred.

MOLECULAR GENETICS
This position will be responsible for studying molecular genetics of thyroid neoplasms. Experience with molecular biology is highly desirable.

Send curriculum vitae and names of 3 references to: Dr. J. Fagin or Dr. T. Clemens, Dept. of Medicine, CEDARS-SINAI MEDICAL CENTER, 8700 Beverly Blvd., Los Angeles, CA 90048. (310) 855-6691. (AA/EOE)

ScripTech Pharmaceuticals, Inc.
Cell Therapeutics, Inc. is an innovative biopharmaceutical start-up company focused on the design and development of drugs that influence a variety of significant human diseases. Rapid growth has created the following opportunities:

**VICE PRESIDENT, PRODUCT DEVELOPMENT**
Direct product development from design to release to production and act as a technical liaison between R&D, Clinical Research, Marketing, and Manufacturing. Requires a Ph.D. in a scientific discipline and a minimum of 12 years related experience in a pharmaceutical environment. Ref. #JB126.

**QUALITY CONTROL, SENIOR CHEMIST**
Help us establish a modern Quality Control department. Requires a B.S. in life science and 5 years lab analysis. Ref. #EO128.

**SENIOR SCIENTIST, PHARMACOLOGY/DIAGNOSIS**
Design, supervise and report drug metabolism/pharmacokinetics studies for new drugs. Requires a Ph.D. in medicinal/pharmaceutical chemistry or a related discipline with 6+ years experience in drug metabolism R&D. Ref. #JS130.

**ASSOCIATE SCIENTIST, CANCER BIOLOGY**
Characterize lipid signaling pathways in normal and malignant cells. Ph.D. and experience in lipid signaling, structure determinations and protein biochemistry of lipid enzymes required. Ref. #SB131.

CTI is located in downtown Seattle with views of Puget Sound and the Olympic Mountains. We offer an attractive compensation and benefits package and an environment where you can make a significant contribution to medical technology. For consideration, send or fax your CV, indicating the appropriate job reference number to:

Human Resources, Cell Therapeutics, Inc.
201 Elliott Avenue West, Suite 400
Seattle, WA 98119. FAX (206) 284-6206

Equal Opportunity Employer.

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Syntex has earned its reputation in the pharmaceutical industry for significant and innovative research with a continuing commitment to excellence in R&D. Consider this exciting research opportunity working with our Atherosclerosis/Vascular Biology team located in the San Francisco Bay area.

**Research Scientist**
**Vascular Biology**
Opening for a creative scientist in a new vascular biology program to explore molecular events in atherogenesis. Opportunity to collaborate with groups that maintain animal models, perform morphological evaluations, express and purify target molecules and assist with transgenic animals. Position requires a Ph.D. or M.D./Ph.D., postdoctoral training and 3-5 years' experience in cell and molecular vascular biology. Opportunity to balance drug discovery with basic research and to participate in active post-doctoral program.

Syntex offers a challenging environment, excellent relocation, compensation and benefits package. For immediate consideration, please send your resume to: Syntex Corporation, Job # MCS7419, 3401 Hillview Avenue, Suite A2-130, Palo Alto, CA 94304. Syntex is an equal opportunity employer committed to the values of a diversified workforce.

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**POSTDOCTORAL SCIENTISTS**
**RESEARCH ON MICROBIAL EVOLUTION**
A U.S. - Japan Collaborative Research Project
The National Science Foundation Science Center for Microbial Ecology at Michigan State University seeks postdoctoral scientists to conduct research in cooperation with a team of Japanese scientists. The research is focused on the evolution and distribution of catabolic pathways important in pollutant biodegradation. Scientists are sought from the fields of:

- molecular biology
- enzymology
- microbial ecology

The individuals selected will conduct research with our collaborators at Nagaoka University of Technology and RIKEN Institute, and receive a competitive salary plus cost-of-living adjustment, relocation and housing expenses. These scientists may also leave from and/or return to a postdoctoral position in the Center at Michigan State University. The appointments will be 2-3 years. U.S. citizenship is required. The positions are available immediately and will be open until suitable candidates are found.

To apply, send a letter describing your interests, a curriculum vitae and names of three references to: Dr. Larry Forney, The Center for Microbial Ecology, 540 Plant & Soil Sciences Building, Michigan State University, East Lansing, Michigan 48824-1325.

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University of Rochester School of Medicine and Dentistry NIMH Multidisciplinary program for PREDOC-TORAL AND POSTDOCTORAL RESEARCH in psychoneuroimmunology. Including behavioral influences on the immune system and the neural and endocrine influences on immunity, immune influences on the neuroendocrine system and behavior, ontogeny and phylogeny of neuroendocrine systems, and behavioral influences in oncologic drug pharmacokinetics/pharmacodynamics to expand cancer drug pharmacology core facility of this NCI-designated Cancer Center. Individual should have substantial experience in GC-MS, HPLC, kinetic modeling, and phase I/II cancer clinical trials. Please send curriculum vitae and three letters of recommendation to: Dr. James H. Doroshow, Director, Department of Medical Oncology and Therapeutics Research, City of Hope Cancer Research Center, 1500 East Duarte Road, Duarte, CA 91010.

ASSISTANT RESEARCH SCIENTIST—CITY OF HOPE CANCER RESEARCH CENTER: Ph.D. or M.D. analytical expertise in oncolologic drug pharmacokinetics/pharmacodynamics to expand cancer drug pharmacology core facility of this NCI-designated Cancer Center. Individual should have substantial experience in GC-MS, HPLC, kinetic modeling, and phase I/II cancer clinical trials. Please send curriculum vitae and three letters of recommendation to: Dr. James H. Doroshow, Director, Department of Medical Oncology and Therapeutics Research, City of Hope Cancer Research Center, 1500 East Duarte Road, Duarte, CA 91010.

POSTDOCTORAL FELLOWSHIPS supported by an NIH-funded research training program are available for July/August 1993, for Ph.D. or M.D. to develop a research or clinical career in the multidisciplinary field of Transfusion Medicine. Areas of investigation include normal and malignant hemostasis, pathogenesis of autoimmune disease (such as lupus erythematosus, myasthenia gravis), tumor antigen repertoire and tumor biology, and cell biology of human blood group antigens. Previous experience in molecular biology and/or cell biology is desirable. Send curriculum vitae and names of three references to: Leslie E. Silberstein, M.D., Hospital of the University of Pennsylvania, 3400 Spruce Street/6 Founders, Philadelphia, PA 19104.

POSTDOCTORAL/RESEARCH ASSOCIATE IN GLYCOCOLOGY: A fully funded position for 3 years is available to study glycosyltransferases and animal lectins. The laboratory is experienced in carbohydrate chemistry and biochemistry and the successful applicant will join an active group in the emerging field of Glycobiology. Candidates should have experience in molecular biology, but no experience in Glycobiology is necessary. Reply to: Richard D. Cummings, Department of Biochemistry and Molecular Biology, University of Oklahoma Health Sciences Center, P.O. Box 269001, SBEB 525, Oklahoma City, Oklahoma 73190. The University of Oklahoma is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION is available immediately to study oligopeptides that interact with DNA. B.S./M.S. (including coursework in organic chemistry) and some experience with standard techniques in molecular biology (cloning, footprinting, etc.) desired. Experience in solid phase peptide synthesis and purification desirable. Rank and salary dependent upon experience. Send curriculum vitae and names of three references to: Mrs. Norma O. Clark, Laboratory of Gene Function, NCI-designated Cancer Center, University of Rochester, URCMC, 300 Crittenden Boulevard, Rochester, NY 14642. An Affirmative Action/Equal Opportunity Employer. U.S. citizenship or permanent residence required.

ASSEMBLING NEUROTRANSMITTER SYNTHESIZING enzymes, or investigating the role of neurotransmitters in behavior. Ph.D. or M.D. with experience in behavioral sciences, pharmacology, or related fields. A Ph.D. in psychology, or a related field, is preferred. Salary is commensurate with experience. Send curriculum vitae and names of three references to: Dr. Lewis J. Cote, School of Medicine, University of Rochester, Rochester, NY 14627.
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The Biology and Biotechnology Research Program (BBRP) at Lawrence Livermore National Laboratory is seeking a scientist/postdoctoral fellow with experience in protein crystal growth to join its expanding Structural Biology Research Group.

The applicant should be able to participate in design, setup and operation of a protein crystallization laboratory. Preference is given to persons experienced in protein-DNA complexes (DNA, repair enzymes, polymerases etc) with a substantial record of success in protein crystallogenesis. She/he will work closely together with protein chemists, crystallographers and NMR specialists, and should be able to operate well in a team and interact extensively with other scientists. The applicant will be given an opportunity to resume or develop individual projects as well. BS/MS/PhD degree required in a scientific or related field.

The BBRP offers excellent research facilities and a competitive salary and benefits program. Rank, position and salary are open dependent on the applicant’s qualifications. For more information contact: Dr. Bernhard Rupp, Structural Biology Group, at (510) 422-3261 or FAX (510) 422-2282. Interested applicants are invited to send their CVs including references to: Ms. Quincy McClain, Professional Employment Division, Lawrence Livermore National Laboratory, P.O. Box 5510, L-725, Dept. A93206Bl, Livermore CA 94551. We are proud to be an Equal Opportunity Employer M/F/D/V.

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Immunology—A PhD in Pharmacology/Immunology or related field plus minimum of 3 years postdoctoral training is required, including experience in in vivo models of inflammation, immunostaining and routine histologic techniques. Drug discovery and industry experience is an advantage. Code: WSC/GF

Process Chemistry—PhD level candidates in Organic Chemistry should possess 3–5 years postdoctoral experience in process chemistry working with a pharmaceutical company. Candidates will have experience in the design and implementation of synthetic chemical processes, including large scale synthesis and optimization of multistep synthetic sequences for the development of drug candidates. Knowledge of nucleoside chemistry is desirable. CODE: WS/MEPC

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The President provides leadership for the Consortium, is responsible to its Board of Directors, manages the affairs of ARCUS, and supervises its staff. The President recommends and implements the programs and policies established by the Board of Directors; develops and administers ARCUS programs and activities; represents the corporation in contract, grant, and financial negotiations with government and private funding and banking entities; and interacts with the arctic research community to assess and advance its needs and priorities. The President represents ARCUS interests and concerns to other groups and organizations to ensure that quality programs and services exist to meet the needs of the arctic research and education community.

Applicants are required to have a Ph.D. or its equivalent. Applicants should also have at least five years of experience in the design and conduct of research in the Arctic and at least five years of experience in the design and management of interdisciplinary research. Demonstrated excellence in the ability to communicate and function effectively with diverse constituencies within the scientific and education community, the policy making community, and the general public is highly desirable. Successful experience in the preparation, negotiation, and management of grants and contracts, as well as in direct responsibility for fiscal management, is a must.

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Send applications, including curriculum vitae and four references, for receipt by 15 May 1993 to:

President Search Committee
Dr. Mark F. Meier, Chair
ARCUS, Inc.
600 University Avenue, Suite B
Fairbanks, AK 99709

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Hal E. Broxmeyer, Ph.D.
Mary Margaret Walther Professor of Medicine
and of Microbiology and Immunology
Scientific Director, Walther Oncology Center
Indiana University School of Medicine, IB 501
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