OFFERS OPEN

The Department of Biological Sciences of the University of Windsor requires an ASSISTANT PROFESSOR for a 2-year term to coordinate its Co-op Program on Great Lakes Studies. Starting date is January 1992 or later.

The candidate must have a Ph.D. and a demonstrated research record in an area relevant to the program. Courses required to teach courses relevant to the program, and to be prepared to develop appropriate contacts for placement of co-op students. The candidate should have a strong interest in teaching their work sessions. Preference will be given to a candidate with a background in toxicology.

Applications should send curriculum vitae, a statement of research interests, and three letters of recommendation to:

Dr. M. Petras,
Department of Biological Sciences,
University of Windsor,
Windsor, Ontario N9B 3P4,
Canada.

The University of Windsor is committed to Equity in Employment. Female candidates are equally encouraged to apply.

DEADLINES:
Adverts must be at least 2 weeks after date of publication.

UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES

Under the auspices of the NSF EPSCor II Program and the State of Arkansas, the University of Arkansas for Medical Sciences (UAMS) is expanding in the area of neuroscience and is seeking a Neurobiology Research Center. Applications are requested for two tenure-track positions at the ASSOCIATE PROFESSOR level. This position is expected to be filled by a motivated and collaborative scientist who has a Ph.D. or equivalent degree in one of the life sciences, with a strong and sustained presence in the field of molecular neurobiology. The successful candidate will be involved in both the Department of Anatomy and the Department of Pharmacology and Biophysics.

Salary and appointment will be commensurate with experience. Applicants must have a Ph.D. in the above fields and must have demonstrated potential for independent research in an area of molecular neurobiology and a strong commitment to excellence in teaching.

Applications are requested for either of the following positions:

1. Faculty position at the ASSISTANT PROFESSOR level with potential for tenure at the ASSOCIATE PROFESSOR level.
2. Faculty position at the ASSOCIATE PROFESSOR level with potential for tenure at the PROFESSOR level.

Applications should include a letter of interest and a curriculum vitae. Three letters of reference should be added to the application material. All correspondence, including letters of reference, should be described to:

Dr. R. E. Wood,
Chair, Search Committee,
Department of Anatomy,
University of Arkansas for Medical Sciences,
4301 West Markham Street,
Little Rock, AR 72205.

Deadline for receipt of applications for full consideration is 15 September 1991. UAMS is an Equal Opportunity/Affirmative Action Employer.

CLEVELAND CLINIC FOUNDATION
DEPARTMENT OF HEART AND HYPERTENSION RESEARCH

The Department of Heart and Hypertension Research has immediate openings for applicants to pursue the position of ASSISTANT, ASSOCIATE, and PROFESSOR levels to pursue independent, competitive scientific research. The department is currently involved in basic and clinical research and is particularly interested in the areas of structural and functional biology as well as cell and integrated physiology. Applicants holding a doctoral degree with strong training and experience in areas of cardiac or vascular biology are invited to apply, although particular consideration will be given to highly qualified applicants with experience in structural biology and biophysics for the study of the basic structure and function, enzymeology, and protein-protein interactions. Electrophysiology and molecular biology; and conscious-animal integrated physiology. Salary and appointment will depend on experience and qualifications. Send curriculum vitae and a short statement of research interests to:

Dr. Robert M. Graham,
Chairman, Department of Heart and Hypertension Research,
Cleveland Clinic Foundation,
FFS-20, 9500 Euclid Avenue, Cleveland, OH 44195-5071.

ENDOWED PROFESSORSHIP IN ARTI- TIS RESEARCH

The University of Colorado School of Medicine is seeking candidates for the Dr. Charles J. Smyth Professorship in Arthritis Research. This is a full-time research position with clinical work and teaching not required. The individual may be appointed at the level of ASSOCIATE, ASSISTANT, or FULL PROFESSOR. Both M.D. and Ph.D. candidates who are performing basic research related to the rheumatic diseases, particularly women and minority candidates, are encouraged to apply. Please send a letter of interest, curriculum vitae, and the names of three references to:

Dr. W. W. P. Arend,
Department of Immunology and Rheumatology,
University of Colorado Health Sciences Center,
4200 East Ninth Avenue, Denver, CO 80262.
Equal Opportunity/Affirmative Action Employer.
The Faculty of Science of the University of Zürich a newly created PROFESSORSHIP IN ENVIRONMENTAL SCIENCES is to be filled.

The responsibilities comprise research in a field of environmental sciences as well as the administration of interdisciplinary coordination. The teaching duties involve active participation in already existing programs at both undergraduate and postgraduate levels. The successful candidate will be expected to act as Chair of the Department of Microbiology and Immunology, Texas College of Osteopathic Medicine, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2690.

In the Faculty of Science of the University of Zürich a newly created PROFESSORSHIP IN ENVIRONMENTAL SCIENCES is to be filled. The responsibilities comprise research in a field of environmental sciences as well as the administration of interdisciplinary coordination. The teaching duties involve active participation in already existing programs at both undergraduate and postgraduate levels. The successful candidate will be expected to act as Chair of the Department of Microbiology and Immunology, Texas College of Osteopathic Medicine, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2690.

The University of Wisconsin-Madison seeks to fill an open position in the area of molecular virology and infectious disease. The successful candidate will have a proven record of accomplishments as a postdoctoral fellow or a faculty member. The position includes responsibilities for teaching, research, and graduate student supervision. The successful candidate will have a strong commitment to diversity and will be expected to contribute to the University of Wisconsin's affirmative action program. Interested applicants should submit a letter of application, curriculum vitae, and the names of three references to: Professor Dr. Florian Holohan, Max-Planck-Institut für Medizinische Forschung, Heidelberg, Germany.

The University of Wisconsin-Madison seeks to fill an open position in the area of molecular biology and infectious disease. The successful candidate will have a proven record of accomplishments as a postdoctoral fellow or a faculty member. The position includes responsibilities for teaching, research, and graduate student supervision. The successful candidate will have a strong commitment to diversity and will be expected to contribute to the University of Wisconsin's affirmative action program. Interested applicants should submit a letter of application, curriculum vitae, and the names of three references to: Professor Dr. Florian Holohan, Max-Planck-Institut für Medizinische Forschung, Heidelberg, Germany.

The University of Wisconsin-Madison seeks to fill an open position in the area of molecular biology and infectious disease. The successful candidate will have a proven record of accomplishments as a postdoctoral fellow or a faculty member. The position includes responsibilities for teaching, research, and graduate student supervision. The successful candidate will have a strong commitment to diversity and will be expected to contribute to the University of Wisconsin's affirmative action program. Interested applicants should submit a letter of application, curriculum vitae, and the names of three references to: Professor Dr. Florian Holohan, Max-Planck-Institut für Medizinische Forschung, Heidelberg, Germany.

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Project leader in Neurobiology, Biocenter, University of Basel, 4056 Basel, Switzerland

A five-year appointment at a level corresponding to Assistant-Professor is available now in the Department of Pharmacology for independent research in molecular mechanisms of neuronal development. Applicants should have had two or more years of postdoctoral experience and should enclose a Curriculum Vitae, a List of Publications, and a brief one-page statement of Research Interests and the names of three referees.

Applications should be submitted by August 15, 1991 to Prof. J. G. Nicholls, Department of Pharmacology, Biocenter, University of Basel, Klingelbergstrasse 70, CH-4056 Basel, Switzerland.

For enquiries: Phone: 0041/61 267 22 31  
Fax: 0041/61 261 67 60
POSITIONS OPEN

FACULTY POSITION IN PHARMACOLOGY/TOXICOLOGY

A tenure-track position is available immediately in the Department of Pharmacology and Toxicology at the University of Mississippi Medical Center in Jackson, Mississippi. Applicants should have an M.D. or Ph.D. degree and should have experience in the use of fluorescein and electron microscopy in areas such as neuropharmacology, developmental biology, neurotoxicology, immunopharmacology, or macromolecular morphology. Salary and rank commensurate with education and experience. The successful applicant will be expected to develop a research program and participate in the teaching activities of the department. Interested persons should send curriculum vitae and a brief description of research interests and arrange for three letters of reference to: Beth Hoskins, Ph.D., Chairperson of Search Committee, Department of Pharmacology and Toxicology, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505. Equal Opportunity Employer, M/F/H/V.

One-year medical leave REPLACEMENT IN BIOLOGY has just opened at Luther College. Minimum qualification is with a Ph.D. in one of the biological sciences. Responsibilities include participation in team-taught general biology course plus an advanced biology course. Salary commensurate with the individual's interests and qualifications. Expertise in two of the following course areas required: invertebrate biology, genetics, botany, cell biology, and/or anatomy. Application, letters of recommendation, transcripts, and placement files should be sent to: John L. Tjostheim, Head, Department of Biology, Luther College, Decorah, IA 52101; telephone, 319-382-8121. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS. Are open to study the environmental regulation of microbial gene expression and signal transduction as well as the genetic and molecular basis of biodegradation of synthetic compounds. Submit a copy of your curriculum vitae to: Dr. A. M. Chakrabarty, Department of Microbiology (M/790), University of Illinois at Chicago, P.O. Box 6998, Chicago, IL 60680.

POSTDOCTORAL POSITION. Available immediately for studies in one of two areas: (i) cellular regulation of epithelial chloride channels (normal and in C.P.) and the nucleotide-mediated regulation of intestinal Na+,K-ATPase (normal and in diabetes). Indicate area of interest and send curriculum vitae and names and addresses of three references to: Dr. Michael Field, M.D., P&S 10-508, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York, NY 10027.

POSTDOCTORAL POSITION. Available immediately for studies on nickel transport in transgenic mice. Experience in signal transduction pathway and molecular biology techniques is desired. Send curriculum vitae with three letters of recommendation to: Dr. H. A. Bishop, Department of Dermatology, Case Western Reserve University, Cleveland, OH 44106.

POSTDOCTORAL POSITION. Available immediately to study the regulatory role of phosphorylation on the function and metabolism of tau and other neuronal cytoskeletal proteins involved in Alzheimer's disease. Experience in protein biochemistry is desirable. Excellent salary and benefits. Send curriculum vitae and the names and addresses of three references to: Dr. Gail V. W. Johnson, Department of Cell Biology, SC911, University of Alabama at Birmingham, Birmingham, AL 35294-0072.

POSTDOCTORAL POSITIONS. Are available for the study of protein-DNA interactions, using biophysical, biochemical, and molecular biological approaches. Current projects include studies of the interaction with and unwinding of DNA by helicases and helix destabilizing proteins. Send curriculum vitae and the names of three references to: T. M. Lohman Biochemistry, Molecular and Cellular Biology Washington University School of Medicine Box 8231 660 South Euclid Avenue St. Louis, MO 63110

POSTDOCTORAL POSITION. A postdoctoral position is available to study mechanisms and conditions of P450 expression in mammalian hepatocytes in vitro. Candidates should have a Ph.D. or M.D. in one of the biomedial disciplines related to our research. Experience in basic molecular biology techniques, including restriction enzyme digests, protein purification, and in situ hybridization is required. This project is in cooperation with a pharmaceutical company and a doctoral degree and have prior training in molecular biology. Experience in protein biochemistry is also desirable. Send curriculum vitae and the names of three referees to: Dean M. Grant, Medical School of the University of Rochester, 593 Eddy Street, Aldrich 702, Providence, R.I 02903.

POSTDOCTORAL POSITION IN MICROBIAL PATHOGENESIS. Available to study genetic variations in medically important fungi. Stains of Masta- myces dermatitidis exhibiting high or low virulence are the focus of study. Approaches involve subtractive hybridization of yeast nuclear acid, yeast transformation, and characterization of genes and products associated with virulence. Experience in yeast genetics or molecular biology required. Send resume and names of three references to: Dr. H. O. Jenkins, Department of Microbiology, 600 Highland Avenue, Room H4/644, Madison, WI 53792.


POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. Available immediately for studies on the role of the signal transduction pathway in the regulation of NOS expression and function. Send curriculum vitae and the names and addresses of three references to: Dr. Geoffrey T. Shriver Center, 1900 Maple Road, Madison, WI 53711.

POSTDOCTORAL FELLOW. With background in cell and/or molecular biology and an interest in brain development. Project involves the role of cholesterol in regulating proteolipid protein and its expressions in cultured cells and in vivo. The studies will be carried out in the Biochemistry and Molecular Biology Division, The Kennedy Shriver Center located in suburban Boston and affiliated with Harvard and other institutions. Projects within the center include different aspects of developmental neurosciences, neurochemistry, and genetic disorders in brain development. Interaction among the various groups are encouraged, providing a stimulating environment for broad approach to the problem. Submit curriculum vitae and reference letters to: Dr. Marjorie Lees, e/o Personnel Office, Biochemistry Division, Eunice Kennedy Shriver Center, 200 Trappel Road, Waltham, MA 02254.

POSTDOCTORAL FELLOW/CELL REGULATION. Applications are invited for postdoctoral fellow positions interested in the cell and molecular biology of endocytosis. The successful candidate will join an exciting group of investigators dedicated to understanding how the molecular level of receptor bound molecules enter cells by coated pit and noncoated pit pathways. Qualified candidates must hold a Ph.D. or M.D. degree in molecular biology and be experienced with molecular biology and cell biology techniques. Please send curriculum vitae and reference letters to: Dr. Howard G. W. Anderson, Department of Cell Biology and Neuroscience, University of Texas Southwestern Medical Center, Dallas, TX 75338. Equal Opportunity Employer.

RESEARCH FELLOWSHIPS IN INVESTIGATIVE AND MOLECULAR DERMATOLOGY

The Skin Diseases Research Center at Case Western Reserve University (CWRU) offers a postdoctoral program for those with an M.D. or Ph.D. degree contemplating an academic career in dermatological research. Special expertise and research areas of our program include: immunodermatology, molecular and cellular biology, photodermatology and photomedicine, and skin pharmacology and skin carcinogenesis. This program is funded by an NIH training grant. Candidates must meet citizenship requirements for a National Service Research Fellowship. For more information, send curriculum vitae and outline of career plans to: David B. Bikics, M.D., Director, Skin Diseases Research Center, Case Western Reserve University, 2074 Abington Road, Cleveland, OH 44106; telephone, 216-844-3111. CWRU is an Affirmative Action/Equal Opportunity Employer.

FREE PRODUCT INFORMATION SERVICE

Send a letter stating the specifics about your new laboratory and Science will put you in touch with the vendors whose products you will need. Write to: SCIENCE News Service Department 1515 Broadway New York, NY 10036
RESEARCH OPPORTUNITIES

The Eastern Regional Research Center (ERRC), Agricultural Research Service, USDA, has openings for Postdoctoral Research Associates and a permanent, full-time Microbiologist. ERRC is located on an attractive 27 acre campus just outside of Philadelphia in Wyndmoor, Montgomery County. It has ample tree parking, cafeteria, is close to public transportation, and employees enjoy a flexible work schedule. It has an active research program in many agriculturally, industrially, and nutritionally important areas conducted by over 250 scientists, engineers and support staff. ERRC has available for staff use state-of-the-art instrumentation, its own library, and a computer center.

MICROBIOLOGIST

To develop a research program investigating the thermal resistance of Clostridium botulinum. A degree in microbiology or a related field with 20 semester hours in microbiology and knowledge of food microbiology is required. Knowledge of spore physiology and food technology is desirable. Must be U.S. Citizen. For information on the research project contact Dr. Arthur Miller at (215) 233-6676. Application must be marked 1N055 and received by July 26, 1991.

RESEARCH ASSOCIATE

To investigate the use of lipases as applied catalysts and explore the effects of chemical modification upon their catalytic properties. Appointment is for 2 years. Must have relevant Ph.D. within the last 3 years. Knowledge and experience in biochemistry or related organic chemistry is required. Experience in protein modification is desirable. For information on the research project Dr. Michael Haas at (215) 233-6459. Application must be marked 1N056. Salary commensurate with experience $31,116 to $37,294. For information on application procedures and forms contact Angela Canterini at (301) 344-1863. Send resume/application including 3 references to appropriate contact listed above to: USDA, ARS, ERRC, 600 East Mermaid Lane, Wyndmoor, Pennsylvania 19118. Applications in response to this advertisement should be marked with the appropriate number.

USDA/ARS IS AN EQUAL OPPORTUNITY EMPLOYER

SANOFI DIAGNOSTICS
PASTEUR, INC.

QUALITY, LEADERSHIP, AND INNOVATION

Sanofi Diagnostics Pasteur, Inc., formerly Kallestad Diagnostics, is an international leader in the design and development of medical diagnostic test kits and instrumentation for human diseases and allergy. Our continued growth and success has created a number of opportunities for highly motivated, talented professionals with research expertise in the following areas:

TUMOR MARKERS—

GROUP LEADER ASSAY DEVELOPMENT

This position will lead a group of scientists in developing immunoasays for tumor markers. We seek an individual with a Ph.D. in immunology or molecular/cell biology and 3-7 years of experience in in vitro cancer diagnostics. You will be responsible for establishing an R&D program in the tumor marker area. Knowledge of FDA and PMA regulations is required.

ENDOCRINOLOGY—

GROUP LEADER ASSAY DEVELOPMENT

The successful candidate will be a Ph.D. in Immunology or Biochemistry with 3-7 years of experience in immunoassay development. Candidates with clinical laboratory experience are preferred.

AUTOIMMUNE—

PRINCIPAL R&D ASSOCIATE

The successful candidate will have a Ph.D. in cellular or molecular biology, biochemistry, or immunology and 3-5 years experience and will coordinate the activities of a group in the development of immunodiagnostic assays for systemic and organ-specific autoimmune diseases. Preference will be given to individuals with experience in the fields of construction, recombinant expression systems and synthetic peptide epitopes.

ALLERGY—

PRINCIPAL R&D ASSOCIATE

This position will join our efforts to characterize the immunodominant epitopes of allergens recognized by the atopic patient. A Ph.D. and 1-3 years experience are required. Experience with recombinant DNA technology and antigen presentation is required.

INFECTIOUS DISEASE—

PRINCIPAL R&D ASSOCIATE

Join our expanding group focused on developing immunoassay, instrument-based test kits for human infectious agents. We seek a Ph.D. trained in microbiology, immunology, or related field and 0-2+ years of industrial experience in virologic or bacteriologic immunoassay design/development. Experience with molecular techniques and hybridoma screening is essential.

PROTEIN CHEMISTRY—

SENIOR R&D ASSOCIATE

We seek an individual with experience in peptide synthesis and immunochemistry. Join our team in designing and developing peptide fragments which mimic the immunodominant epitopes of target autoantigens and allergens. A Ph.D. in Biochemistry or Immunology and 2-5 years experience or an M.S. in biochemistry and 5-9 years of experience are required.

RESEARCH & DEVELOPMENT ASSOCIATES

We are looking for individuals with a B.S. or M.S. in biology, microbiology, immunology, or biochemistry to assist senior scientists in various phases of research in the general field of antigen presentation and T/B-cell epitopes. Experience in molecular biology, hybridomas, biochemistry, and immunology is required.

Sanofi Diagnostics Pasteur offers an excellent salary and benefits package including company paid family medical insurance, a 401k plan, attractive relocation package, and the opportunity for continued growth with a dynamic organization. For confidential consideration, please send your resume to: Sanofi Diagnostics Pasteur, Inc., 1000 Lake Hazelnet Drive, Chaska, MN 55318, Attn: Mary Moen/Human Resources.

Equal Opportunity/Affirmative Action Employer.
POSTDOCTORAL FELLOW

Postdoctoral position available immediately to study the molecular basis of cervical and breast cancer and chronic fatigue syndrome. Emphasis is placed on the use of molecular biology techniques, particularly studies involving the transcrip-
tion and translation of gene products, and the study of the role of oxi-
dative stress in the pathogenesis of these diseases. Experience in molecular biol-
ogy techniques (e.g., oligonucleotide synthesis, PCR, Southern blotting, and in situ hybridization) desirable.

Send curriculum vitae and names of three references to: Dr. Brian Herman, Department of Cell Biology and Anatomy, University of North Carolina at Chapel Hill, CB# 7286, Taylor Hall, Chapel Hill, NC 27599. Equal Employment Opportunity Employer.

LA TROBE UNIVERSITY—AUSTRALIA

LA TROBE UNIVERSITY RESEARCH FELLOWSHIPS

The University is offering postdoctoral research fellowships in any discipline of the university. The proposed research project must be in collaboration with a university researcher and must complement the existing research work.

Applicants should have gained doctoral or equivalent qualifications within the last 5 years. A person who currently holds a permanent appointment is not eligible to apply.

Fellowships, which will be awarded for a period of 24 months, are intended to advance the research activities of the university by bringing to or retaining in Australia promising scholars.

Applications must be forwarded to the assistant man-
ger (Personnel Services) on the university's form, which will be sent on request, together with further information about the Fellowship.

Salary offered is within the range of $23,782 to $32,762. The closing date for applications is 30 Sep-

Enquirers should briefly indicate the research disci-
pline of interest to them. Further information can be obtained from: Assistant Manager (Personnel Serv-
ices), La Trobe University, Bundoora, Victoria 3083, Australia.

Equal Opportunity is university policy.

POSTDOCTORAL RESEARCH POSITION

Available to study the biochemistry and structure of eukaryotic transcription factors and DNA-binding motifs by mutagenesis and 3D/4D-NMR structure analysis. Please send your credentials and the names of the scien-
tists who best know your work to: Michael A. Weiss, M.D., Ph.D., Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, 240 Longwood Avenue, Boston, MA 02115. To the above address send a curriculum vitae and references to: Marvin R. Garovoy, M.D., University of California, San Fran-
cisco (UCSF), 520 Health Sciences East, Third and Mission, San Francisco, CA 94143-0508. UCSF is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT/ASSOCIATE RESEARCH MOLECULAR BIOLOGIST

Program in transplant immunology is offering a position for a molecular biologist/molecular immunologist. Position involves studies of HLA gene regulation, DNA binding proteins, and HLA allele definition utilizing molecular approaches to gain a better understanding of antigen presentation and tolerance induction. Candidates should have Ph.D. degree with at least 2 years of postdoctoral training. Salary range: $41,600 to $64,000 depending on experience and qualifications.

Send curriculum vitae and references to: Marvin R. Garovoy, M.D., University of California, San Francisco (UCSF), 520 Health Sciences East, Third and Mission, San Francisco, CA 94143-0508. UCSF is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR BIOLOGIST—RESEARCH AS-
SOCIATE. Suburban Philadelphia biomedical company is seeking a master's or Ph.D. degree in molecular biology who has significant experience in the molecular biology laboratory and the ability to work independently. Responsibilities include design and application of sequence-spe-
cific oligonucleotide probes for detection of human alleles. Research will provide products useful for genetic disease diagnosis and clinical research. Successful candi-
date will possess knowledge of DNA amplification, ex-
traction, and hybridization techniques. ELISA and radiolabeled protein analysis, and experience in computer programming is desirable. Please send curriculum vitae including salary requirement (a must) to: Box 70, Distilled Address, 1333 1/2 South Street, N.W., Room 940, Washington, DC 20005. Affirmative Action/Equal Opportunity Employer, M/F.
POSITIONS OPEN

ASSOCIATE RESEARCH SCIENTIST

Children's Hospital Oakland (CHORI) seeks an experienced scientist at the associate level or above to direct an independent research program related to pediatrics. CHORI is a basic research institute with expertise in cellular biology, molecular biology, and mass spectrometry. Preference will be given to a scientist with transferable NIH funds. Immediate financial support provided by the institute. Potential for long-range financial institutional support exists. Newly renovated laboratory space available with access to extensive shared laboratory facilities. To apply, send résumé to: Yvette Williams, Job # 10237, 747 52nd Street, Oakland, CA 94609.

Equal Opportunity Employer

Applications are invited for a highly motivated SCIENTIST at the Florida Hospital Cancer and Leukemia Research Center. Applicants must have a Ph.D. in biochemistry/microbiology with emphasis in molecular biology. Postdoctoral experience is preferred. Available immediately to clone and express recombinant plant toxin molecules. Studies from this laboratory include Mol. Cell. Biol. 9, 415-520 (1989); Mol. Cell. Biol. 10, 5012-5021 (1989); Mol. Cell. Biol. 10, 6257-6265 (1990). Interested candidates are invited to send their curriculum vitae, bibliography, and three letters of recommendation to:

Dr. Arthur Frankel, Director
Florida Hospital Cancer and Leukemia Research Center
616 East Altamonte Drive, #100
Altamonte Springs, FL 32701
(Greater Orlando Area)
Telephone: 407-539-1004

The Department of Commerce (DOC)/NOAA/OAR/NOAA Undersea Research Program (NURP) is seeking applicants for the position of MARINE PHYSICAL SCIENTIST, GS-1301-14 ($53,406 to $68,139). Duties: The incumbent manages and directs NURP research grants activities in the marine physical science disciplines and is responsible for the formulation, coordination, evaluation, improvement, and monitoring of various research programs. The position is located in Silver Spring, Maryland. Applicants must submit the June 1988 edition of the Standard Form 171 by 9 August 1991 to: NOAA/Personnel Operations Division/ NOS-OAR Operations Branch, SSAMC-1, OA213, #3230, 1335 West Highway, Silver Spring, MD 20910. The position is open to status candidates; however, nonstatus applicants must apply through the OPM Physical Science register or participate in the OPM Tech Fair to be held on 26 to 27 July 1991 at the Washington Convention Center. For additional information call 301-427-2506. Refer to Vacancy #: OA/M-91-25-MMP. DOC is an Equal Opportunity Employer.

RESEARCH FISHERY BIOLoGIST (TWO POSITIONS), GS-11 ($31,116 to $40,449) or GS-12 ($37,294 to $48,481). The United States Fish and Wildlife Service, National Fisheries Research Center—Great Lakes, Ashland, Wisconsin, and Sandusky, Ohio is seeking an experienced individual with bachelor's or higher level degree in the area of fishery biology, science, or management in work in the area of fish population dynamics research. Applicants must have demonstrated experience in the experimental design, assessment, analysis, and interpretation of fish population dynamic studies; ability to plan, develop, and organize research of fish population dynamics in large lake ecosystems; skill in the computation and interpretation of biological statistics of fish populations; ability to communicate results of independent research both orally and in writing; and ability to work effectively in a close team environment. The incumbent applies modern principles and procedures of fishery biology in researching the interacting fish stocks of Lake Superior, leading to the development of practical interagency strategies for managing the various fishery stocks. Duties include: design and execution of sampling programs, supervision of field collections and sample processing, data analysis and interpretation, publication of results, and other duties as assigned. The United States Fish and Wildlife Service is an Equal Opportunity Employer. Applications are encouraged from underrepresented minorities. Applicants must be U.S. citizens. All inquiries and requests for application materials for both the Ashland, Wisconsin, and Sandusky, Ohio, positions should be sent to: United States Fish and Wildlife Service, National Fisheries Research Center—Great Lakes/S, 1451 Green Road, Ann Arbor, MI 48105 by 16 August 1991.

Syntex, a leading pharmaceutical company has a commitment to basic and applied research. Toward this end, we devote 30% of our staff and 19% of our profits to R&D. Consider the following:

 Neuropharmacologist
 Palo Alto, California

This position involves working within a multidisciplinary team of neuroscientists and neuropharmacologists dedicated to the discovery of novel therapeutic agents for the treatment of neurological diseases. PhD in a neuroscience-related field with 1-3 years postdoctoral experience in neuropharmacology, neurochemistry and/or molecular biology. Primary responsibilities include operating a laboratory devoted to the differential localization and quantitation of receptors and distribution of mRNA using image analyzed in-vitro autoradiography and in-situ hybridization techniques, respectively. You will be encouraged to contribute to the active publication program of the research group and to participate at scientific meetings. To be innovative, you will have superior communication skills and the ability to implement ideas and interact effectively with colleagues in various departments is an essential requirement.

Syntex offers competitive salaries and a comprehensive benefits and relocation package including an incentive bonus. Send your resume to: Syntex, Dept. KM/SC, 3401 Hillview Ave., Palo Alto, CA 94303. Equal opportunity employer.

MILES Research Center

BS/MS RESEARCH SCIENTISTS

At Miles Research Center, we have two outstanding opportunities for qualified BS/MS level Scientists to play significant roles within two groups of our Institute for Arthritis and Autoimmunity. As part of these groups, you will be working with scientists in multiple disciplines.

Histology Core Facility—In this role, you will be required to run a high volume multidisciplinary histology lab. This will involve processing and sectioning of paraffin, frozen and plastic embedded hard and soft tissues for light microscopy. To qualify, you'll need an M.S. with 5+ years' histology experience or a B.S. with 7+ years' histology experience.

Cell Sorter/Image Analysis Facility—You will be trained in the operation and maintenance of three flow cytometers and a microscope-based image analysis system. To qualify, you'll need a B.S. in biology, biochemistry, computer science or engineering, in addition to 2 years' laboratory experience in biology with instrument operation experience (i.e., flow cytometer, image analysis system). Both positions require strong communication and interpersonal skills.

Each of these positions offers an attractive compensation and benefits package. To apply, please indicate position of interest and send resumes including salary history to: Dept. CEC, Miles Inc., Pharmaceutical Division, 400 Morgan Lane, West Haven, CT 06516. An Equal Opportunity Employer M/F/H/V.
**National Institutes of Health**
**Public Health Service**
**FELLOWSHIP IN ELECTROPHYSIOLOGY**

The Laboratory of Neurosciences at the National Institute on Aging, Bethesda, Maryland invites applicants for a Fellowship position to study voltage and neurotransmitter-gated ionic currents in aneurplid dorsal root ganglion and hippocampal neurons, and to study synapic transmission and synaptic integrity in the aneurplid nervous system. The program will primarily involve whole cell and single channel patch clamp recordings of normal and trisomy 16 cultured fetal mouse neurons, which provide a model of human trisomy 21 (Down syndrome). Experience in patch clamp recordings is required.

Interested candidates should submit their Curriculum Vitae and two letters of recommendation to: Stanley I. Rapport, M.D., Chief, Laboratory of Neurosciences, National Institute on Aging, National Institutes of Health, Building 10, Room 6C103, Bethesda, MD 20892.

NIH is an Equal Opportunity Employer

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**TRANSPLANTATION BIOLOGISTS/IMMUNOLOGISTS**

**TRANCEL CORPORATION** is a rapidly growing leader in the field of cellular transplantation for the treatment of diabetes and other diseases. We seek innovative, problem solving transplantation biologists and immunologists to join our dynamic team of scientists.

The transplantation scientists will design and carry out programs to assess the response of the immune system of recipient animals, to assess the biocompatibility of transplant materials, and to answer related questions concerning the safety and efficacy of this treatment modality.

We seek senior scientists with a Ph.D. in cell biology or cellular immunology and 5 years post-doctoral experience or equivalent experience in the biotechnology or pharmaceutical industry.

We offer competitive salaries and benefits and an opportunity to share in an exciting young organization.

Please mail or FAX your resume to John Cole, V.P. Development, TRANCEL CORPORATION, 1201 E. Wakeham Avenue, Santa Ana, CA 92705, FAX: 714-541-5423.

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**Gensia Pharmaceuticals, Inc.** is seeking exceptionally talented Ph.D. level scientists with 1-5 years of post doctoral experience to join our multi-disciplinary group involved in the rational design of drugs targeted at enzymes important in metabolism. Our research programs are focused in the areas of cardiovascular, central nervous system and diabetes. Individuals with a successful record of independent research and good communication skills are encouraged to apply for the following positions:

**Protein Biochemist**
Responsibilities will include the identification, isolation and characterization of enzymes important to our drug discovery programs. Experience in enzyme kinetics is essential. Knowledge of protein structure, pharmacology and/or molecular biology is desirable.

**Medicinal Chemist**
Research efforts will involve the design and synthesis of drugs. Extensive experience in synthetic organic chemistry is essential. Experience in medicinal chemistry and computational chemistry is desirable.

**Computational Chemist**
Responsibilities will include the establishment of computer-assisted drug design strategies in collaboration with medicinal chemists and protein crystallographers. Emphasis is on the design and modeling of small molecule inhibitors in enzyme active-site models. Applicants should have extensive experience with UNIX workstations, standard programming languages, and all aspects of molecular modeling, including conformational searching, quantum mechanics and enzyme-inhibitor modeling. Knowledge of medicinal chemistry and protein crystallography is desirable.

Gensia is a rapidly growing biopharmaceutical company that offers an exciting research environment with competitive salaries and generous benefits. Please send CV to: Human Resources Dept., Gensia Pharmaceuticals, Inc., 11025 Roselle St., San Diego, CA 92121-1204, Attn: Mark Erion, Ph.D.

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**SOUTHEASTERN UNIVERSITIES RESEARCH ASSOCIATION PRESIDENT**

The Southeastern Universities Research Association (SURA) invites nominations and applications for the position of President of the Association. The President is the chief executive officer of SURA and reports directly to its Board of Trustees.

SURA is a consortium of 40 universities in the southeast dedicated to planning and managing research facilities and projects appropriate for multi-university collaboration. Currently, SURA is involved in two major enterprises-the Continuous Electron Beam Accelerator Facility (CEBAF) in Newport News, Virginia, and SURAnet, an NSF supported computer network. It is pursuing projects in materials sciences and global change.

Duties of the President include general oversight of SURA's activities, interactions with member institutions regarding multiuniversity opportunities of potential interest to SURA institutions, negotiations with funding agencies, establishing effective relationships with organizations involved in support of scientific activities, and seeking opportunities for projects appropriate for SURA sponsorship. The President represents the interests of SURA to several constituencies in Washington and elsewhere.

The offices of SURA are in Washington, D.C. Salary and starting date are negotiable. Board preference is to fill the position as soon as feasible.

Qualifications: The candidate should be a scientist or engineer with a distinguished record and have demonstrated abilities in leadership and management. The candidate should have an awareness and concern for national needs in scientific research, and should have significant experience with agencies and national organizations involved in supporting scientific research. Preference will be given to candidates with university administrative experience and/or experience in management of major scientific research projects.

Minority and women candidates are encouraged to apply.

Review of applications will begin September 1, 1991, and continue until a suitable candidate is identified. Send applications or nominations with complete biographical data, a statement of interest, and the names and addresses of three references to: Dr. Wimberly C. Royster, Chairman of the Board, c/o University of Kentucky, 514H Robotics Building, Lexington, Kentucky, 40506–0108. EEO/AA Employer/Section 504.
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The ideal candidate will be entrepreneurial, dynamic and possess proven managerial skills. Requires a Ph.D. with a strong background in molecular biology, knowledge of enzymology and a minimum of 8+ years post graduate experience including experience in a private company.

Further information can be obtained from Dr. Soren Carlsen (see below).

Applications, including full CV. and the names and addresses of relevant references should be sent to:

**Dr. Soren Carlsen**
**Vice President, Industrial Biotechnology**
c/o Entotech, Inc.
1497 Drew Avenue, Davis, CA 95616

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Sidney M. Hecht
Department of Chemistry
McCormick Road
University of Virginia
Charlottesville, Virginia 22901
Tel: 804-924-3068
FAX 804-924-3710

Deadline for abstract submission and conference registration is August 15, 1991.

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**SR. SCIENTIST**

**Arthritis Research**

Hoffmann-La Roche is internationally recognized as an innovative leader in the field of medical research and pharmaceutical development, with a firm commitment to ensuring a healthier tomorrow.

We are seeking a Senior Scientist in the Department of Allergy and Inflammation Research to participate in a multidisciplinary effort to study cartilage turnover as it relates to the development of new drugs for the treatment of arthritis. A PhD in Biochemistry, Cell Biology, Pharmacology or a related discipline, and 1-3 years of postdoctoral experience are required. A research background in enzymology and/or cell biology or articular cartilage turnover would be helpful. The ability to interact effectively with coworkers and participate in a team effort is essential.

We offer a competitive salary, a generous bonus and a comprehensive benefits package. For consideration, please send your resume and present salary (those without this information will not be acknowledged), to: Mrs. Eleanor Malone, Staffing and Employee Services, Department EM211JC, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.

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The successful candidate will be responsible for managing the direction, planning, execution and interpretation of human clinical post-marketing studies of LEUKINE (GM-CSF) and other products after they are approved for marketing. This individual will work with potential investigators to establish and approve scientific methods for design and implementation of clinical protocols and final reports. This position interacts with practicing hematologists/oncologists, cooperative study groups, our marketing, sales and professional service groups to develop protocols, make presentations, coordinate report submissions and assist in the preparation of INDs and PLAs.

Board qualified M.D.s, Ph.D.s and Pharm.D.s with post graduate training in hematology/oncology, infectious disease or clinical immunology plus a strong commitment to clinical research are encouraged to apply. Experience should include a minimum of 8 years related experience in the pharmaceutical industry or clinical research. Candidates with 2 plus years of directly related clinical trial experience with human therapeutic products in a pharmaceutical or biotechnology company, and previous experience designing and/or monitoring human clinical trials are preferred. Good communication skills and the ability to work in a collaborative environment are essential.

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Applicants should have a BS/MS degree in molecular biology or related fields and 2+ years of lab experience in molecular biology. 3-5 years sales experience is required (in molecular biology products). Will be responsible for six sales reps in the Eastern region.

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The Immunosciences area of Abbott pharmaceutical discovery is currently seeking a Ph.D. Pharmacologist interested in drug discovery and familiar with inflammatory and allergic models of human disease. Publication within the above areas is a definite plus. The selected candidate must be able to supervise assistants and work closely with associates in a multi-disciplinary team.

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A number of new appointments will be made as independent heads of laboratory at the assistant, associate or full professor level. New laboratory space will become available in July 1992 and institutional support for new labs will be available. Please address written replies to Chairperson of the appropriate search committee in one of the above areas. The Rockefeller University, Box 125, 1230 York Avenue, New York, NY 10021.

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Research Laboratory Opportunities

At Kaiser Permanente, one of the nation's leading health care providers, we're offering rewarding career opportunities in our Regional Research Laboratory in Los Angeles.

Medical Technologist

Your work will involve immunochemical assays, including RIA/EIA, as well as developing new assays. You will also analyze precipitins, Neutrophil/Lymphocyte function test and cell culture, and conduct basic research for test development. You must have a current Calif. Medical Technologist license (BS/MS) and a background in immunology/immunohematology. The ability to maintain high quality standards when performing routine tests is also required. An interest in basic and applied research would be beneficial.

Research Technologist

Under the direct supervision of our Research Scientist, you will perform standard/non-standard laboratory procedures. We prefer someone with 3-5 years experience involving biochemical procedures (HPLC, protein purification and spectroscopic assays), as well as immunochemical/immunologic procedures (cell separation, FACS, lymphocytes, monocytes, granulocyte function tests). A background in biochemistry and an MS/PhD are also preferred.

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In this position, your responsibilities will be gross and microscopic evaluation of explanted prosthetic materials in human and animal tissues; correspondence with physicians; analysis of data; and written reports and conclusions to include technical evaluations. Most of your time will be spent performing microscopic analysis. Involvement in study design and innovative histological techniques expected.

We require experience in pathological evaluations; a PhD in Pathology; Board eligibility in veterinary pathology or equivalent experience; excellent writing/speaking skills; and the ability to handle deadlines. A background in microbiology helpful.

You'll find our benefits, location and philosophy very attractive. Please forward your CV by July 31, 1991 to: W.L. Gore & Associates, Inc., Attn: Employment Associate - Job #11350, P.O. Box 900, Flagstaff, Arizona 86002. An equal opportunity employer M/F/N/H.

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Postdoctoral Research Associates

The Eastern Regional Research Center (ERRC), Agricultural Research Service, USDA, has immediate openings for 2 Research Associates (GS 11/12). ERRC is located on an attractive 27 acre campus just outside of Philadelphia in Wyndmoor, Montgomery County. It has ample free parking and a cafeteria, is close to public transportation, and its employees enjoy a flexible work schedule. It has an active research program in many agriculturally industrially and nutritionally important areas conducted by over 250 scientists, engineers and support staff. ERRC has available for staff use state-of-the-art instrumentation, its own library, and a computer center. Macromolecular and Cell Structure: BIOCHEMIST to develop bioaffinity methods for analysis of antibiotics. Knowledge or experience in chromatographic and separation science, immuno or biorecognition chemistry, immobilization, affinity and cloning techniques is desirable. Contact Marjorie B. Medina at (215) 233-6436. Applications #1NO43.

Milk Components Utilization: MICROBIOLOGIST/BIOCHEMIST to study molecular biology and microbial technology or procaryotes essential in industrial food fermentations. Contact Gerge A. Somkuti, (215) 233-6474. Application #1NO65. Appointments are for 2 years. Salary commensurate with experience ($31,116 to $37,294). Must have relevant PhD within the last 3 years. Information on application procedures/forms contact Angela Canterini at (301) 344-8560. Send resume/application including 3 references to appropriate contact listed above and mail to: USDA, ARS, ERRC, 600 E. Mermaid Lane, Wyndmoor, Pennsylvania 19118. Mark Applications with appropriate number.

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OILS ANALYTICAL CHEMIST
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A Ph.D. in chemistry, or equivalent experience is required. The ideal candidate will have at least 2 years of experience in oils analytical chemistry research and laboratory management. Good communication skills are important.

Pioneer is an Equal Opportunity Employer providing a competitive salary, excellent benefits, plus a cooperative work environment. Applications received by 16 August 1991 will be assured of consideration. Please send resume to: Pioneer Hi-Bred International Inc., Department of Research Specialists, 7250 N.W. 62nd Avenue, P.O. Box 1004, Johnston, IA 50131

TECHNICAL SUPPORT POSITION
The Genetics Computer Group (GCG) is seeking an individual with a strong background in molecular biology/chemistry, experience with computer systems and peripherals, and good interpersonal skills to provide technical support for the international community of scientists that use the GCG Sequence Analysis Software Package. Applicants must have a minimum of a master's degree in molecular biology or a related field. Starting salary range: $27,000 to $34,000 plus fringe benefits. Submit curriculum vitae with references to: Genetics Computer Group, Inc., 575 Science Drive, Suite B, Madison, WI 53711.

MEETINGS
DIOXIN '91
11TH INTERNATIONAL SYMPOSIUM ON CHLORINATED DIOXINS AND RELATED COMPOUNDS
23 to 27 SEPTEMBER 1991
RESEARCH TRIPLE PARK, N.C.
Purpose: Define the forefront in research and assess the consequences of human exposure to dioxins and other structurally related compounds based on biological mechanisms of action. Features include plenary and symposium lectures, poster displays, and special topic discussion groups.
For more information and/or to register, please contact: Sharon Wills, School of Public Health, The University of North Carolina at Chapel Hill, CB# 8165, Miller Hall, Chapel Hill, NC 27599-8165. Telephone: 919-966-4052. FAX: 919-966-7141.

SECOND ANNUAL NORTHWESTERN UNIVERSITY/SCHWEPPES COLLOQUIUM
MOLECULAR ASPECTS OF DEVELOPMENT
29 SEPTEMBER TO 1 OCTOBER 1991
EVANSTON, ILLINOIS
For information and registration, contact: Sheri Donaldson, Edward Prema Coordinator, Northwestern University Cancer Center, 8250 Olson Pavilion, 303 East Chicago Avenue, Chicago, IL 60611-3008. Telephone: 312-996-5258.
Organized by the Northwestern University Cancer Center, Center for Biotechnology, and Marker Program in Developmental Biology.

COURSES AND TRAINING

BIOLOGICAL AND MOLECULAR APPLICATIONS OF MODERN SCANNING PROBE MICROSCOPES, 18 and 19 September 1991. A hands-on workshop sponsored by the Center for Biopolymers at Interfaces, Department of Bioengineering, University of Utah. This workshop consists of lectures, a poster session, and demonstrations of Dynamic Force and Scanning Tunneling Microscopies. For information contact: Arline Allen, 2260 Merrill Engineering Building, Salt Lake City, UT 84112. Telephone: 801-581-3667.

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