PERSONNEL PLACEMENT

Biophysical Chemist with Organic Background, Ph.D. (U.K.). Many years' experience plus publications in use of liposomes as model membranes for drug interactions and functional reconstitution of membrane proteins. Familiar with biochemical, spectroscopic (EPR, fluorescence), and synthetic techniques. Literature with good knowledge of German. Seeks challenging industrial, academic, or administrative writing positions. Box 29, SCIENCE. 3/20, 27


Ph.D. Ethologist, teaching and postdoctoral research experience. Work includes small mammal olfaction, social behavior, and reproduction. Seeking position in cell and molecular biology. Prepayment required for all foreign ads. Purchase order and/or cover letter, including billing address required for all other advertising.

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POSITIONS OPEN

ANALYTICAL CHEMISTS
HUNTINGDON ANALYTICAL SERVICES, INC., Middleport, NY (Western New York State), is a new firm providing analytical and pharmaceutical, chemical, and environmental research. Several positions are open. PHARMACEUTICAL CHRONICLES—Ph.D. Position in Analytical Chemistry or Pharmacometrics with broad experience in analysis of drugs in biophase by HPLC and/or GC. Pharmacometric training and supervision needed. AGRICHEMICAL GROUP LEADER—Minimum: B.S. degree with experience in extraction and quantitation of pesticides and herbicides. ENVIRONMENTAL LAB MANAGER—Establish and manage a new state-of-the-art commercial environmental analytical lab. Management experience in environmental testing required. Applicants should sell analytical services to industrial and government clients. Market research. Salary commensurate with experience. Ground floor opportunities. All positions require good writing and communication skills. Company-paid medical, dental, and disability insurance. Send resume and salary requirements to Personnel Manager, Huntingdon Analytical Services, Inc., P.O. Box 250, Middleport, NY 14105.

UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY (UMDNJ) SCHOOL OF OSTEOPHAR

ANATOMIST: School of Osteopathic Medicine (SOM) has recently received approval for a unified 4-year campus in Stratford, NJ (approx. 15 miles from Philadelphia, PA). SOM invites applications to fill a new position to direct the gross anatomy course for osteopathic students.

Applicants for assistant professor should have postdoctoral training and be capable of developing an independent research program. Applicants for associate or full professor should have a strong record of research productivity. All research areas will be considered, but preference will be given to candidates working in neurobiology.

Submit application by 30 June 1987, accompanied by curriculum vitae, selected reprints, and three or more references, to: Dr. Robert Rhoades, Chair of the Search Committee, University of Medicine and Dentistry of New Jersey-SOM, 675 Hoes Lane, Piscataway, NJ 08854-5635; telephone: 201-463-4334. UMDNJ is an Affirmative Action/Equal Opportunity Employer.

ANATOMY
UNIVERSITY OF SASKATCHEWAN DEPARTMENT OF ANATOMY

The Department of Anatomy, University of Saskatchewan, College of Medicine, invites applications for tenure-eligible assistant professor of anatomy and cell biology. The appointee should have experience teaching gross anatomy to medical and dental students as well as neuroanatomy and embryology. Applicants should have proven research record and a strong research program. Application, including curriculum vitae, names of three referees, and an outline of proposed research should be submitted to: Dr. S. Fedoroff, Head, Department of Anatomy, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada, S7N 0W0.

Department of Physiological Chemistry—University of Wisconsin-Madison. An ASSISTANT PROFESSOR position will be available 1 September 1987 for a person with strong biochemical research and teaching interests. The abilities of the applicant are more important than the particular area of research interest. Department faculty have active research programs in molecular biology, developmental biology, hormones, protein chemistry, membranes, lipids, and metabolism, as well as facilities for graduate students, medical and health science students. Applicants should have at least 2 years of biochemical postdoctoral experience, and must be of publishable quality. Submit curriculum vitae, bibliography, letters of reference from three persons knowledgeable of the candidate's research or teaching abilities, and a one- or two-page statement of future research interests to: Dr. James Dahlberg, assistant chairman, Faculty Search Committee, S37 Medical Science Building, University of Wisconsin-Madison, Madison, WI 53706. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.

SOCIOLoGY AND ANTHROPOLOGY DEPARTMENT
SIMON FRASER UNIVERSITY
BURNABY, BRITISH COLUMBIA, CANADA
VACANCY IN ANTHROPOLOGY

The department invites applications from qualified anthropologists for a tenure-track position at the assistant professor level effective 1 September 1987. Preferred substantive fields are medical anthropology, economic anthropology/the anthropology of tourism, with an Asia-Pacific/Pacific Rim regional focus. Remuneration commensurate with qualifications. The successful candidate, upon receipt of the curriculum vitae, and names and addresses of three referees should be sent to: The Chairperson of the Appointments Committee, Sociology and Anthropology Department, Simon Fraser University, Burnaby, British Columbia, V5A 1S6 by 1 May 1987. This position is subject to final budgetary approval. Preference will be given to candidates eligible for employment in Canada at the time of application.

Molecular Cell Biologist/Virologist, Ph.D. Over 20 years' experience in research, Broad background and creativity. Presently a faculty member of a medical school. Seeks a challenging industrial position for basic research and development. The applicant is a senior investigator. West Coast area preferred. Box 37, SCIENCE.

Parasitologist, Ph.D. Experienced teacher with extensive doctoral and postdoctoral research background in parasitology, immunology, and microbiology. Well published. Seeking teaching/research position. Box 33, SCIENCE.

ANATOMY
UNIVERSITY OF SASKATCHEWAN DEPARTMENT OF ANATOMY

...
POSITIONS OPEN

AREA EXTENSION AGENT, Water Resources, Minnesota Extension Service, University of Minnesota, Twin Cities (UM). A multicounty water resources agent in Lake and Cook counties. Responsible for developing educational programs dealing with the broad range of water resource issues.

Required qualifications: bachelor’s degree with emphasis in hydrology, geography, environmental engineering or a related water resources area and 5 years of experience in the water resources area or a master’s degree with the same emphasis.


The University of Minnesota is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

ASSISTANT INVESTIGATOR’s position available for candidate with Ph.D. degree in either molecular biology or biochemistry to join an established laboratory involved in studies on plasma protein secretion. Candidate should also have computer literacy and experience in recombinant DNA technology. Competitive salary and excellent benefits. Please submit curriculum vitae, bibliography, and the names of three references to: D. Banerjee, Ph.D., Membrane Biochemistry Lab, New York Blood Center, 310 East 67 Street, New York, NY 10021.

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ASSISTANT PROFESSOR, INTERNAL MEDICINE, THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS; 1 July 1987, full-time permanent, $35,000 per year minimum salary, 3 to 4 years of experience in lipoprotein research (laboratory and clinical). Applicant should have a thorough knowledge of clinical presentations and current therapy of hyperlipidemia. Experience in preparing and submitting grant proposals. Authorship or co-authorship of reviewed journal publications in the lipoprotein field. Duties include laboratory work to be carried out in the Molecular Genetics Laboratory. Clinical activities include studies with lipoprotein disorders independently and in collaboration with other investigators. Equal Opportunity Employer. Send curriculum vitae and cover letter (no telephone calls) to: Scott M. Grundy, M.D., Ph.D., Center for Human Nutrition Y3-206, University of Texas Health Science Center Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235.

MOLECULAR AND CELLULAR ASPECTS OF REGULATORY BIOLOGY

The Banting and Best Department of Medical Research, University of Toronto, is seeking candidates for the position of ASSISTANT PROFESSOR (tenure stream). The position is available 1 July 1987 and will carry an initial appointment of 5 years at a competitive salary. Candidates should have a strong research background and will be expected to attract research grants. Experience in molecular and cellular aspects of regulatory biology (for example—molecular endocrinology, mechanisms of signal transduction, regulation of gene expression). The successful candidate will be expected to attract independent research grants, to have at least 75% of his/her time in research and to participate in graduate and undergraduate training.

Applications should be forward curriculum vitae, an outline of research interests and three letters of reference to: Dr. David H. MacLennan, Professor and Chairman, Banting and Best Department of Medical Research, University of Toronto, 112 College Street, Toronto, Ontario, Canada M5G 1L6.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada, but foreign applications are encouraged.

ASSISTANT PROFESSOR OF PLANT ECOLOGY. A position is available beginning with the 1987-1988 academic year. Responsibilities include: undergraduate instruction in general botany and biology survey; development of course work, research, and graduate program in plant ecology, and maintenance of regional herbarium. The applicant should have a Ph.D. in plant ecology, and should send curriculum vitae, official graduate and undergraduate transcripts, and three letters of recommendation to: Dr. Terry Maxwell, Department of Biology, Angelo State University, San Angelo, TX 76909. An Equal Opportunity/Affirmative Action Employer.

20 MARCH 1987

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In this position, you must possess a Ph.D. with emphasis in plant biotechnology; familiarity with micro-computers; a background in molecular biology and plant-related biotechnology research (especially agricultural related); and the ability to assimilate, synthesize and oversee biotech research directed at agricultural problems. You must also have knowledge of immunological techniques — antibody production, purification and utilization; excellent communication and presentation skills; and practical experience in clonal propagation, callus regeneration, protoplast regeneration, soma-clonal variation and selection genetics, cytology, and any of the following genetic engineering techniques — cloning, hybridization and restriction mapping.

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Metabolism and Pharmacokinetics

The Bristol-Myers Pharmaceutical Research and Development Division has career opportunities in its Metabolism/Pharmacokinetics Group located in Syracuse, New York. This Group plays a major role in drug development and worldwide drug registration by developing pharmacokinetic, metabolic and biopharmaceutical information from pre-clinical and clinical trials of candidate drugs targeted for treatment of cancer, infectious diseases, cardiovascular diseases, and central nervous system disorders.

RESEARCH SCIENTISTS/PhDs

To design and implement studies to determine the pharmacokinetic metabolic behavior of candidate drugs in animals and humans. Must have ability to lead and motivate a professional staff. Qualifications include 0-3 years post doctoral experience in drug metabolism and pharmacokinetics, plus state-of-the-art knowledge of methodologies for identifying/quantifying drugs and their metabolites in biological fluids. PhD in Pharmaceutical Sciences, Pharmacology, Biochemistry or related field required. Computer literacy important.

ASSISTANT/ASSOCIATE SCIENTISTS/BS or MS

To develop analytical methods for drugs in biological fluids, and participate in drug disposition studies in animals and humans. Degree in Chemistry, Biochemistry, Pharmacology or related field essential with 0-5 years applicable experience in drug metabolism and pharmacokinetics. Excellent report writing skills essential. Experience using computers to handle and report analytical data helpful.

We offer a competitive compensation package and a comprehensive benefit program which includes relocation assistance to a superb upstate NY living area. Interested candidates should submit a resume indicating area of interest, salary history and requirement, to: EMPLOYMENT MANAGER

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SYNTHETIC CHEMIST
Nucleotides/Peptides
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Immediate opening for PhD Chemist with demonstrated skills and experiences in synthesis of nucleotide and/or amino acid derivatives. The successful applicant will be expected to conduct a synthetic chemistry R&D program in connection with established and future products, in the general areas of nucleotides, oligonucleotides, and peptides. As well as strong laboratory skills, the successful applicant will possess the initiative and judgement required to identify important R&D projects, and the drive and determination needed to see them through.

Pharmacia P-L Biochemicals is a growing subsidiary of Pharmacia Inc., a world leader in the biotechnology market. We offer a competitive salary and a complete benefits program. Please send your resume and cover letter to: S. HOIST, ADMINISTRATIVE ASSISTANT, PHARMACIA P-L BIOCHEMICAL, 2202 NORTH BARTLETT AVENUE, MILWAUKEE, WISCONSIN 53202. We are an equal opportunity employer M/F/IH/V.

SR. SCIENTIST
ANIMAL SCIENCE RESEARCH

Hoffmann-La Roche is a company known world-wide for their strong commitment to research in animal agriculture. As we investigate and discover new methods of altering and improving animal growth performance.

We currently have an opportunity in our Animal Science Research Department for an individual to conduct research to characterize the interrelationships of vitamins, hormones, nutrients, animal physiology and biochemistry to animal growth. This will involve both laboratory and animal models pertinent to field conditions for field animals.

You must have a Ph.D. in Biochemistry or Physiology; a thorough understanding of food animal growth; and 1-3+ years experience in analytical methods development, including HPLC and automated assay procedures; establishing bioassays; receptor binding models and radioligandassays. You'll enjoy the professional environment and challenges Roche offers, while receiving a highly competitive compensation package including bonus. For confidential consideration, please send your resume, indicating salary history and requirements, to: TM, c/o Eleanor Malone, Professional Employment & Staffing Specialist, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.

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Coagulation Chemist

Sigma Chemical Company, a world renowned manufacturer of biochemicals and diagnostic reagents, is seeking a PhD Biochemist or Clinical Chemist to add to its coagulation staff. The successful candidate will have at least two years' experience in clinical coagulation. Industrial experience in the development of diagnostic reagents preferred. Excellent opportunity for a Chemist with a desire to grow into a supervisory position. Full company paid benefits. Send resume to:

Personnel Department
Sigma Chemical Co.
3500 Dekalb
St. Louis, Missouri 63118
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Protein Purification (BS/MS)

The Viral Diseases Research Group of The Upjohn Company has an Associate position available for a candidate with a BS or MS in biochemistry, virology or closely related field. Candidates should have at least one year of relevant laboratory experience in purification of monoclonal antibodies and affinity chromatography.

This position will become part of an ongoing effort to investigate structure-function relationships between virus proteins and human host responses.

Kalamazoo is a medium-sized Southwestern Michigan community with immediate access to a rich mix of cultural, educational and recreational pursuits including numerous lakes and a four-season climate. Upjohn offers the opportunity for career growth, a competitive salary commensurate with experience, a comprehensive benefits program and relocation assistance.

For confidential consideration, please call from outside of Michigan toll free 1-800/253-8600, ext. 3-6767, (inside Michigan call collect 616/323-6767) to request an employment application be sent to you immediately. Please refer to ad number 20674-A when calling

Upjohn

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Manager, Regulatory Affairs

SmithKline & French Laboratories, a recognized leader in the pharmaceutical industry, has a challenging opportunity for a Regulatory Affairs Specialist for its Philadelphia-based operations.

The successful candidate, who will report to the Director, Regulatory Affairs, will be responsible for supervising Regulatory Associates in preparation of INDs and NDAs as well as periodic updates of such documents, and for supervising review of clinical and preclinical reports and clinical protocols. Additionally, this person will represent Regulatory Affairs on R&D Project Teams.

Requirements include a PhD in a biomedical science (or equivalent), at least two years experience in the pharmaceutical industry (drug regulatory affairs experience preferred), knowledge of FDA regulations pertaining to investigational and marketed drugs, experience in evaluating adequacy of documents for regulatory submissions and excellent verbal and written communication skills. Experience with cardiovascular drugs is preferred.

Interested candidates should send resume with salary history to Bill Groves, SmithKline Beckman Corporation, 1502 Spring Garden Street, Philadelphia, PA 19101. We are an Equal Opportunity Employer, M/F/H/V.
ASSISTANT PROFESSOR--LEVEL IN PHYSIOLOGY. New York College of Osteopathic Medicine invites applications from qualified Ph.D.'s for a full-time assistant professor position in the Department of Physiology (yearly renewable contract/multiple year contracts available), salary commensurate with experience. The position chiefly involves research (80% time allocation) with minimal teaching duties (no more than 20%). The research interest of the position should be in the area of cardiac cellular electrophysiology. Modern laboratory space and start-up funds will be provided to the successful candidate. Applications, including curriculum vitae, statement of research plans and track record, and the names and addresses of three references should be mailed to: Dr. Kenneth L. Rosenek, Acting Chairman, Department of Physiology, New York College of Osteopathic Medicine, Old Westbury, NY 11568.

ASSISTANT RESEARCH SCIENTIST—Postdoctoral research associate position available for studies on oxygen cytotoxicity. Salary commensurate with experience. Please send curriculum vitae and references to: Dr. Arnold Stern, Department of Pharmacology, New York University School of Medicine, 550 First Avenue, New York, NY 10016. An Affirmative Action/Equal Opportunity Employer.

CANCER RESEARCH. The AMC Cancer Research Center, an independent research institute, wishes to expand its scientific programs with new appointments at the assistant/associate professor (equivalent) level. Applicants will be expected to vigorously pursue independent research in an area that complements existing, active programs of laboratory, clinical, and community cancer control centers with interdepartmental, pipelining laboratory and clinical cancer research are particularly sought. Outstanding opportunity for growth, collaborative research, and advancement. Excellent facilities and resources, including an on-campus, 32-bed clinical cancer research unit. Appointments to senior faculty positions will also be considered for applicants with nationally recognized prominent and well-funded research programs. Send curriculum vitae, brief statement of research plans, and other pertinent information to: Dr. Philip Parnaski, Scientific Director, AMC Cancer Research Center, 1600 Pierce Street, Denver, CO 80214. AMC is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF IMMUNOLOGY. Applications are invited from individuals with demonstrated excellence in immunology research for a tenure-track position with responsibilities to develop an independent research program, teach medical students, and instruct graduate students. Send résumé, summary of proposed research, and names of references to: Immunology Search Committee, Department of Microbiology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226.

ASSISTANT/ASSOCIATE PROFESSORSHIP (12-month, tenure-track) in Wildlife and Fisheries Sciences. Texas A&M University seeks to add to its animal ecology, natural resources management, or wildlife biology. Applicants should demonstrate research ability in a specialty area and willingness to engage in collaborative interdisciplinary research pertaining to integrated resource management and conservation. Teaching duties will include undergraduate and graduate courses in the general area of wildlife management and conservation. Qualification as a certified wildlife biologist; past employment with a resource agency, environmental consulting firm, L.D. and P.L. or professional wildlife experience will be desirable. Send curriculum vitae, statement of professional goals, and names of three references by 15 May 1987 to: Prof. Vance Wilson, Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, TX 77843-2258. Texas A&M University System is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR COMMUNITY NUTRITION. The Department of Nutrition, University of California, Davis, seeks applications from individuals with an 11-month tenure-track position starting September 1, 1987. Teaching and advising responsibilities will include community nutrition, nutrition education, food services, and nutrition in self-selected related fields. Send curriculum vitae, statement of research and teaching interests, and names of three references by May 15, 1987 to Dr. Kathryn Dewey, Department of Nutrition, University of California, Davis, CA 95616.

The University of California at Davis is an Affirmative Action/Equal Opportunity Employer.

ASTRONOMER. The American Museum--Hayden Planetarium is seeking a highly qualified professional with in-depth knowledge of astronomy and space science for a tenure-track position. Responsibilities will include program development; presentation of live shows; teaching of astronomical and space science courses; fostering contacts between the Planetarium and the astronomical academic and research communities; serving as a spokesperson on astronomical topics to the media, and participation in planetarium administration.

Qualifications include a Ph.D. in astronomy or related field and preference for someone with a strong combination of astronomy and science space and science along with or more of the following: science education; planetarium operations/productions/exhibitions or program writing. Demonstrated ability to communicate space science to subjects at a broad age spectrum preferred.

Starting date for the position is spring 1987 or soon thereafter. Salary and rank will be determined by the candidate's qualifications. Salary requirement should be submitted along with curriculum vitae, samples of publications/programs and an interview tape and the contact information for three individuals familiar with your work. Please submit to:

Mr. Lee Vileisky, Personnel Assistant, Hayden Planetarium American Museum of Natural History Central Park West at 79th Street New York, NY 10024 An Equal Opportunity Employer

BIOLoGIST. The Vassar College Biology department invites applications for a 1-year substitute faculty position. Individuals applying should be prepared to proceed in molecular biology, biochemistry, mammalian physiology, or any combination of the above. Ph.D. required and teaching experience in a liberal arts institution is preferred. Consideration of applications begins on 6 April 1987 and will continue until a suitable applicant is found.

Send four copies of the letter of application and three references to: Dr. M. B. C. Greenwood, Vassar College, Poughkeepsie, NY 12601. Affirmative Action/Equal Opportunity Employer. Minority and women are encouraged to apply.

CELLULAR NEUROBIOLOGIST/DEVELOPMENTAL BIOLOGIST. The Department of Biological Sciences, Stanford University, has several openings for tenure-track faculty positions in the areas of cellular neurobiology and developmental biology. Applicants at the assistant professor level are preferred, but the department will also consider appropriate candidates at a more senior level for one of these positions. Applicants should send curriculum vitae, statement of research accomplishments and anticipated research directions, and the names of three appropriate references to: Chairperson, Neurobiology Search Committee, Department of Biological Sciences, Stanford, CA 94305–8302. Applications from women and minority candidates are especially encouraged. Stanford University is an Equal Opportunity Employer.

ECOLOGIST/PHYSIOLOGIST. Conduct research in terrestrial systems, with particular emphasis on interaction of environmental stressors and water and other environmental stresses in conjunction with programs in forest genetics, nutrition, biotechnology, environmental biology, aquatic biology, and field ecology. Send a letter of application, current curriculum vitae, and names of three referees. Review of applications will begin on 1 May 1987. Send to: Prof. R. D. Cooper, Head, Department of Biological Sciences, North Carolina State University, Raleigh, NC 27695–8002.

DEAN, SCHOOL OF SCIENCE. California State University, Hayward (CSUH) is seeking applications for the position of Dean of the School of Science, which includes the Department of Biological Sciences, Mathematics and Computer Science, Nursing, Physics, Psychology, Science, and the program in Health Science. The Dean has responsibility for the development and implementation of School programs, budget, and personnel. Salary and fringe benefits are competitive. Nominations or applications accompanied by a résumé and the names of three references should be submitted to: Dr. Russell Merris, Chair, Search Committee for Dean of Science, Office of Provost, CSU Hayward, California, CA 94542. CSUH is an Equal Opportunity, Affirmative Action, Title IX Employer and adheres to Section 503, Handicapped Rehabilitation.

BIOMEDICAL RESEARCH INVESTIGATOR. The McLaughlin Research Institute. Ph.D. or M.D. with grant support to head self-funded research program. Position offers considerable independence, superb, separate research facility, affiliation with Columbus Hospital and Stanford University School of Medicine, and independence. Institute has 20-year tradition of NIH-funded support in immunology, immunogenetics, cancer research, and environmental sciences. Many FI-2 and 20-year positions. Please submit curriculum vitae, three references and summary of research interests to: The McLaughlin Research Institute, 1625 3rd Avenue North, Gainesville, FL 32601. Telephone: 404-761-8833. Applications by 30 May 1987. Equal Opportunity/Affirmative Action Employer.

CARDIOVASCULAR PHYSIOLOGISTS

RESEARCH POSITION—Ph.D., to develop and manage a fully funded laboratory—carrying out animal research in lung and cardiovascular physiology related to human disease. Starting salary $15,000. An equal opportunity/affirmative action employer with minimal teaching duties. Send curriculum vitae to:

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Chairman Research Committee
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1924 Alcoa Highway
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CLINICAL IMMUNOLOGISTS
CLINICAL MICROBIOLOGISTS

The University of Texas Health Science Center at San Antonio has openings for the following positions:

CLINICAL IMMUNOLOGIST—A Ph.D. level immunologist to direct the development of a combined microbiological, immunological, and clinical periodontal disease study on an aging human population. The successful candidate must have experience in clinical microbiology, immunofluorescence as a tool of clinical research, and data management.

CLINICAL MICROBIOLOGIST—A Ph.D. level clinical microbiologist to also participate in the study on an aging human population. The successful candidate must have experience in the growth and identification of anaerobes, as well as experience in the processing of clinical samples for anaerobic microbiology.

Send curriculum vitae and three letters of recommendation to: The Human Resources Department, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284–7972. Equal Opportunity/Affirmative Action Employer.
Molecular Genetics/Protein Engineering

Smith Kline & French Laboratories, a leader in pharmaceutical research, is seeking an additional senior scientific staff to expand its current research programs employing recombinant DNA technology and other genetic approaches to develop novel therapeutic agents.

Excellent opportunities exist for innovative interdisciplinary research in our new and superbly equipped Research and Development Center in suburban Philadelphia near Valley Forge, Pennsylvania.

The Department of Molecular Genetics is seeking an outstanding Scientist with a Ph.D. in Microbiology, Biochemistry, Molecular Biology or equivalent and 2 to 3 years of postdoctoral experience in the area of protein engineering.

The candidate that we are seeking should have a strong research background in studying structure-function relationships in proteins. The research that the candidate would initially be involved in is the development of novel thrombolytic compounds. Our labs are well developed in expression of heterologous proteins in several different host cell systems.

We offer an excellent compensation, benefits and relocation package as well as opportunities for personal and professional growth. Publication of research results is encouraged and supported. For confidential review, please send your C.V. and names of three references to: Robert F. Oster, R&D Senior Employment Consultant, SmithKline Beckman Corporation, 1592 Spring Garden Street, Philadelphia, PA 19101. We are an Equal Opportunity Employer, M/F/H/V.

POSTGRADUATE RESEARCH BIOLOGIST or ASSISTANT RESEARCH BIOLOGIST. Applications are invited for three positions in a multidisciplinary cellular neuroscience group in the Department of Biology at UCSD, supervised by Varon and Manthorpe. Major research interest is the characterization of substances that promote survival, growth and regeneration of nervous tissue.

BIOCHEMIST/MOLECULAR BIOLOGIST: To characterize and clone genes for proteins supporting in vitro survival and growth of PNS and CNS neurons. Applicant should have Ph.D. and documented expertise in at least one of the following: Protein purification or characterization, gene cloning.

CELLULAR NEUROBIOLOGIST: To characterize biological activities of neural cell growth-promoting substances (i.e. trophic and neurite-promoting factors, gangliosides, drugs). Applicant should have Ph.D. and documented experience in at least one of the following: Neuronal cell culture, quantitative in vitro techniques, antibody generation.

NEUROANATOMIST: To use histological techniques to examine abilities of in vitro-characterized neural cell growth promoting substances to promote in vivo survival and regeneration of experimentally damaged rat CNS neurons. Applicant should have Ph.D. and documented experience in at least one of the following: Modern tracing methods, stereotaxic neurosurgery, neural tissue or cell transplantation, neurohistology, morphometry.

Position(s) will be commensurate with experience, at the level of Postgraduate Research Biologist (postdoctoral position) ($21,948-$32,914) or Assistant Research Biologist (professional research) ($34,600-$43,200). Send curriculum vitae and names of three references by June 1, 1987 to Dr. Marston Manthorpe, Dept. of Biology, M-001, University of California, San Diego, La Jolla, CA 92037 (619) 534-3738.

The University of California, San Diego is an Equal Opportunity/Affirmative Action Employer.

National Institute of Mental Health
Alcohol, Drug Abuse, and Mental Health Administration
Public Health Service

NEUROSCIENCES RESEARCH BRANCH
Centers for Neuroscience and Schizophrenia Program

Position Title: Coordinator, Centers for Neuroscience and Schizophrenia Program

Grade and Salary: OM 13-14; $38,727-$50,000. Candidates may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service.

Location: National Institute of Mental Health, 5600 Fishers Lane, Rockville, MD.

Qualifications: Ph.D. in a neuroscience discipline plus direct experience in the conduct of neuroscience research, and/or M.D. degree with clinical experience in psychiatric disorders and direct experience in the conduct of neuroscience research.

Responsibilities: The NIMH Centers for Neuroscience and Schizophrenia (CNS) program will provide for development and support of research centers which combine basic neuroscience research with clinical studies of schizophrenia. The program will fund major research efforts, either at single institutions or multiple, geographically separate institutions. The coordinator will be responsible for planning, developing and administering the program.

Further Information on Program or Position:
Dr. Ronald Schoenfeld
NIMH, Room 11-105
5600 Fishers Lane
Rockville, MD 20857
(301) 443-1594

Further Information on Application to:
J. Harris, Personnel Specialist
NIMH, Room 11-106
5600 Fishers Lane
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Ph.D. Level

Recent developments have generated an opening in the cancer chemotherapy program at the Warner-Lambert/Parke-Davis Pharmaceutical Research Division. This position is located in Ann Arbor, Michigan at our modern facilities, which are located adjacent to the University of Michigan campus. We are devoted exclusively to new drug discovery and development.

The successful candidate will be responsible for the evaluation of the in vivo activity and toxicity of novel anticancer agents and radiosensitizers against transplantable murin tumors and human tumor xenografts, experimental support of lead compounds in clinical trials, and the development of new models for the prediction of clinical activity.

Candidates should have a Ph.D. in pharmacology, 1-5 years of postdoctoral training in experimental chemotherapy with emphasis on in vivo aspects, and training in biochemistry and cell biology. Experience in the areas of radiobiology, flow cytometry, and supervision of technical staff would be favorable.

Qualified candidates should send curriculum vitae in confidence to: Ms. R. Chapman, Supervisor, Human Resources, Warner-Lambert/Parke-Davis, 2800 Plymouth Road, Ann Arbor, MI 48105.

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DEAN OF THE COLLEGE OF SCIENCE AND MATHEMATICS
Southwest Missouri State University (SMSU)

SMSU invites applications and nominations for Dean of the College of Science and Mathematics. The College has a total of 104 faculty in the Departments of Biology, Biomedical Chemistry, Geosciences, Mathematics, and Physics and Astronomy. SMSU's enrollment now exceeds 16,000. The Dean reports to the President for Academic Affairs and serves as a member of the Administration. The Dean is responsible for planning, organizing, and directing the academic program. The Dean is responsible for maintaining high standards of academic programs and for developing and implementing policies and procedures for the College. The Dean is expected to provide leadership in the development of effective teaching programs and in the promotion of research and scholarly activities. The Dean is expected to be an active participant in the governance of the University and to work closely with the President and other members of the Administration. The position is subject to approval by the Board of Regents and is contingent upon the availability of funds. The successful candidate will be expected to take office on July 1, 1987.

DEAN OF THE COLLEGE OF PHARMACY
THE OHIO STATE UNIVERSITY

Applications and nominations are invited for the position. The current Dean of the College of Pharmacy is retiring. The successful candidate must have an earned doctorate in pharmaceutical sciences and possess a strong record of research and teaching. The successful candidate will be expected to provide leadership in the development of effective teaching programs and in the promotion of research and scholarly activities. The successful candidate will be expected to be an active participant in the governance of the University and to work closely with the President and other members of the Administration. The position is subject to approval by the Board of Trustees and is contingent upon the availability of funds. The successful candidate will be expected to take office on July 1, 1987.
For over 100 years the A & Eagle trademark has been a symbol of excellence in brewing. Now it stands for more. Much more. Like breakthrough engineering, increased productivity, and progress—in everything from brewing and baking to agricultural production and metal container manufacturing.

We have challenging opportunities in our growing baker's yeast research program in the St. Louis Corporate Research and Development Department. To join our top-flight team, consider your background for the following positions:

**Biochemical Engineer**

A bachelor's or master's degree in chemical or biochemical engineering and 5 to 7 years of industrial experience will enable you to receive initial consideration. You will need expert, hands-on experience in fermentation process development and product recovery, including a solid understanding of centrifugation and filtration. Experience with large-scale or pilot plant aerobic fermentation equipment and knowledge of computer process control systems is desirable. You must also demonstrate effective communication skills to interact with research and production staffs.

**Fermentation Technologist**

The successful candidate for this position will have 3 to 5 years' hands-on industrial experience with bench-scale and pilot plant fermentation equipment, and an understanding of computer process control equipment. A graduate or undergraduate degree in microbiology, biochemistry, or other related area is essential.

Anheuser-Busch. One of "America's Most Admired Corporations" in a survey conducted by FORTUNE Magazine, provides exceptional career growth opportunities and competitive compensation. Submit your resume today. ANHEUSER-BUSCH COMPANIES; Corporate Employment; Department JM-TS-S; One Busch Place; St. Louis, MO 63118. Equal Opportunity Employer M/F.
POLYMERIZATION OF CYTOKINES AND CYTOKINE RECEPTORS IN THE IMMUNE SYSTEM

The Department of Biology at the University of Utah is accepting applications for a 12-month postdoctoral position in the laboratory of Dr. Jane Smith. The successful applicant will join a team of researchers working on the mechanisms of cytokine receptor signaling.

Requirements:
- Ph.D. degree in biology or a related field
- Strong background in molecular biology and/or biochemistry
- Published research in cytokine signaling

Applications should be submitted by December 31, 2023. Review of applications will begin immediately and continue until the position is filled. Applications should include a CV, a brief statement of research interests, and the names and contact information of three references. Applicants should email their applications to Dr. Jane Smith at jsmith@bio.utah.edu.

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

POSITIONS OPEN

FACULTY POSITION IN VETERINARY BIOSCIENCES

The Department of Veterinary Biosciences at the University of Missouri is seeking a full-time, tenure-track faculty member at the rank of Associate/Professor to join our team of researchers working on the pathogenesis of infectious diseases. The successful applicant will be expected to develop an independent research program, mentor students, and contribute to the teaching mission. The position is available immediately. Review of applications will begin on November 1, 2023, and continue until the position is filled. Submit a CV, a statement of research interests, and the names and contact information of three references to: Dr. John Doe, Department of Veterinary Biosciences, University of Missouri, Columbia, MO 65211. The University of Missouri is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

INVERTEBRATE BIOLOGIST, Wabash College: Applications are invited for a 2-year position in the Department of Biology. The successful applicant will be expected to develop an active research program, teach courses in zoology and invertebrate biology, and contribute to the service mission of Wabash College. Review of applications will begin on November 1, 2023, and continue until the position is filled. Submit a CV, a statement of research interests, and the names and contact information of three references to: Dr. Jane Smith, Department of Biology, Wabash College, Crawfordsville, IN 47933. Wabash College is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

NATIONAL CANCER INSTITUTE

POSTDOCTORAL POSITION IN ONCOGENESIS

Applications are invited for a 2-year postdoctoral position in the laboratory of Dr. Jane Smith, National Cancer Institute, to study the mechanisms of oncogene activation and the role of microRNAs in cancer progression. The successful applicant will be expected to develop an independent research program, mentor students, and contribute to the teaching mission. The position is available immediately. Review of applications will begin on November 1, 2023, and continue until the position is filled. Submit a CV, a statement of research interests, and the names and contact information of three references to: Dr. Jane Smith, Department of Biology, Wabash College, Crawfordsville, IN 47933. Wabash College is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

MACROMOLECULAR CRYSTALLOGRAPHERS

The Department of Biochemistry and Biophysics at the University of California, Berkeley, is seeking a postdoctoral fellow to join a team of researchers working on the structure and function of viral capsid proteins. The successful applicant will be expected to develop an independent research program, mentor students, and contribute to the teaching mission. The position is available immediately. Review of applications will begin on November 1, 2023, and continue until the position is filled. Submit a CV, a statement of research interests, and the names and contact information of three references to: Dr. Jane Smith, Department of Biochemistry and Biophysics, University of California, Berkeley, CA 94720. The University of California, Berkeley, is an Equal Opportunity/Affirmative Action Employer.

MEDICAL ONCOLOGIST/CLINICAL PHARMACOLOGIST

An academic medical oncologist with research interest in clinical pharmacology of anticancer drugs is being sought for an expanding program in the clinical testing of new anticancer agents at a major comprehensive cancer center. Successful candidates will be expected to develop an active research program, mentor students, and contribute to the teaching mission. The position is available immediately. Review of applications will begin on November 1, 2023, and continue until the position is filled. Submit a CV, a statement of research interests, and the names and contact information of three references to: Dr. Jane Smith, Department of Medical Oncology, University of California, Berkeley, CA 94720. The University of California, Berkeley, is an Equal Opportunity/Affirmative Action Employer.

Molecular Biology Postdoctoral Position Needed

Applications are invited for a 2-year postdoctoral position in the laboratory of Dr. Jane Smith, Department of Biology, to study the mechanisms of oncogene activation and the role of microRNAs in cancer progression. The successful applicant will be expected to develop an independent research program, mentor students, and contribute to the teaching mission. The position is available immediately. Review of applications will begin on November 1, 2023, and continue until the position is filled. Submit a CV, a statement of research interests, and the names and contact information of three references to: Dr. Jane Smith, Department of Biology, Wabash College, Crawfordsville, IN 47933. Wabash College is an Equal Opportunity/Affirmative Action Employer.
CELL BIOLOGY
Research and Development Opportunities

As the acknowledged leader in supplying high quality cell culture media to the research/industrial communities for three decades, Gibco® Laboratories is now expanding its Cell Biology Research & Development Department to maintain its technical leadership.

There are immediate positions available at the B.S., M.S. and Ph.D levels investigating nutritional factors associated with the regulation of cellular proliferation and biological production.

Our multi-disciplinary team assumes project management responsibility, with ample opportunity for diversified experience and career advancement. This includes a blend of bench level research, technical supervision, interaction with other GIBCO departments and active collaboration with investigators in academia and the private sector.

Training and laboratory competence in the following areas is highly desirable:

- Development of defined or serum-free cell culture systems
- Development of immuno-diagnostic assays
- Isolation and characterization of functionally active factors from biological fluids
- Analytical separation by HPLC or ion chromatography

GIBCO offers an attractive and competitive benefits and compensation package along with an informal life style that affords candidates the opportunity to enjoy the outdoor and cultural environment of the Great Lakes, Niagara and Ontario-Toronto areas.

For more information please send your resume and curriculum vitae, in confidence, to:

Harry W. Cardin
Personnel Manager
GIBCO Laboratories
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Grand Island, NY 14072
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FACULTY POSITIONS IN MOLECULAR GENETICS CENTER FOR MOLECULAR AND CELLULAR MEDICINE
DARTMOUTH MEDICAL SCHOOL

Dartmouth Medical School is planning a new medical center campus, to be completed in 1991. As part of this process, a Center for Molecular and Cellular Medicine is being established. Several tenure-track faculty positions are available now in Molecular Genetics and may be filled at any level (Assistant, Associate or Full Professor). These appointments will strengthen existing activities in molecular genetics and complement those in immunology, endocrinology, neuroscience, oncology, virology and cell biology. We are particularly interested in individuals whose research interests in molecular genetics relate to these other areas.

Applicants in all areas of molecular genetics are encouraged to apply. Candidates should hold the Ph.D. or M.D. degree and have a minimum of two years of postdoctoral experience. Successful candidates will become members of the Program in Molecular Genetics and will hold an academic appointment in an appropriate basic science or clinical department of Dartmouth Medical School. All faculty will be expected to maintain a strong research program and participate in the teaching of medical and graduate students.

Please send a curriculum vitae, statement of research plans, and the names of at least three references to:

MOLECULAR GENETICS SEARCH COMMITTEE
CENTER FOR MOLECULAR AND CELLULAR MEDICINE
DARTMOUTH MEDICAL SCHOOL
MB 7200
HANOVER, NH 03755

Dartmouth Medical School is an equal opportunity employer. Women and members of minority groups are encouraged to apply.

FACULTY POSITIONS IN NEUROSCIENCE CENTER FOR MOLECULAR AND CELLULAR MEDICINE
DARTMOUTH MEDICAL SCHOOL

Dartmouth Medical School is planning a new medical center campus, to be completed in 1991. As part of that process, a Center for Molecular and Cellular Medicine is being established. Several tenure-track faculty positions are available now in Neuroscience and may be filled at any level (Assistant, Associate or Full Professor). These appointments will strengthen existing activities in neuroscience, and complement those in molecular genetics, immunology, endocrinology and cell biology. We are particularly interested in individuals whose research interests in neuroscience relate to these other areas.

Applicants in all areas of cellular and molecular neuroscience are encouraged to apply. Candidates should hold the Ph.D. or M.D. degree and have a minimum of two years of postdoctoral experience. Successful candidates will participate in the development of the Program in Neuroscience and will hold an academic appointment in an appropriate basic science or clinical department of Dartmouth Medical School. All faculty will be expected to maintain a strong research program and participate in the teaching of medical and graduate students.

Please send a curriculum vitae, statement of research plans, and the names of at least three references to:

NEUROSCIENCE SEARCH COMMITTEE
CENTER FOR MOLECULAR AND CELLULAR MEDICINE
DARTMOUTH MEDICAL SCHOOL
MB 7200
HANOVER, NH 03755

Dartmouth Medical School is an equal opportunity employer. Women and members of minority groups are encouraged to apply.

Virogenetics Corporation
Albany, NY
Continuing Recruitment

The Virogenetics Corporation has been formed as a joint venture between the Institut Merieux and Health Research Incorporated (the non-profit research subsidiary of the NYS Department of Health). Virogenetics is involved in the development of therapeutic and diagnostic products for the human health care and veterinary markets.

Product development is currently under way within the context of strong basic research initiatives in cell biology, virology, immunology, and protein chemistry. Immediate openings are available at the Ph.D level in all of these disciplines. A major focus is research and development of human animal vaccines utilizing viral vectors, with an emphasis on genetically engineered pox virus.

Compensation will be commensurate with qualifications. A comprehensive benefit package is included. Due to expansion, resumes are accepted on a continual basis. Please send a resume and references, along with salary history to:

Director of Research
Virogenetics Corporation
Room 1315, Corning Tower,
Empire State Plaza
Albany, NY 12237

An affirmative action/equal opportunity employer.
MOLecular/DEVEloPMENTAL BIOLOGIST: The Department of Pediatric Dentistry of the University of Texas Health Science Center at San Antonio invites applications for a tenure-track, assistant professor position. Preference will be given to developmental biologists with training in craniofacial development, using state-of-the-art molecular and biochemical approaches. Applicants will be judged on potential for independent research and securing extramural funding as well as ability to interact with current strengths at the health science center in extracellular matrix and molecular biology.

POSTDOCTORAL ASSOCIATE
A postdoctoral appointment of up to 3 years' duration is available for research on the biosynthesis of steroids and steroid hormones. The applicant should send curriculum vitae and the names of three references to: Dr. E. Sayles, c/o Personnel Office, Womcent Center for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545.

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MOLecular GENETICIST
Auburn University

Applications are invited for an ASSISTANT PROFESSOR to begin in September, 1987. Ph.D. in biological science, emphasis in animal-based molecular genetics, evidence of potential for teaching excellence, and a strong interest in developing a competitive research program required. Postdoctoral experience preferred. Responsibilities: teaching courses in general and molecular genetics; developing interactive personal and graduate research program. Send curriculum vitae, all transcripts, reprints, names of five references, and description of research plans to: Dr. J. P. Fritz, Head, Department of Genetics, 331 Founders Hall, Auburn University, AL 36849-4201. Closing date 1 May or until suitable candidate applies. Women and minorities are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

MOLecular AND cELL BIOLOGY/BIOCHEMISTRY/BIOPHYSICS

Postdoctoral Opportunities

Broad range of membrane research projects: (i) nature of lipid-protein interaction in membranes; membrane dynamics; (ii) membrane reconstitution; (iii) enzyme and protein chemistry; (iv) cloning and site-specific mutagenesis of mammalian proteins; and (v) muscle physiology/Calc release mechanism in excitation-contraction coupling.

Send curriculum vitae, bibliography, three letters of recommendation, and short statement regarding career goals, interests, and commitment to these research interests to: S. Fleischer, Department of Molecular Biology, Vanderbilt University, Nashville, TN 37235.

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POSTDOCTORAL FELLOW

A postdoctoral position available immediately. Funding for 3 years. Laboratory emphasis is on control of folate homeostasis. Membrane receptors, folate-binding proteins, and folate-releasing enzymes are being analyzed at biochemical and molecular level. Apply with curriculum vitae and three letters of reference to: B. A. Kamen, Ph.D., Department of Pharmacology, Southwestern Medical School, University of Texas Health Science Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235-9065. An Equal Opportunity University.

APPLICANT, BROAD EXPERIENCE

Visual Physiology

Available September 1987, to study neuron activity in extra-striate visual cortex. Recent Ph.D. and experience in extracellular neuron recording, electronics, and programming laboratory equipment. References and names of three references should be sent by 15 April 1987, to: Dr. C. G. Gross, Department of Psychology, Princeton University, Princeton, NJ 08544. Princeton University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW
Research Associate

Visual Physiology

Available September 1987, to study neuron activity in extra-striate visual cortex. Recent Ph.D. and experience in extracellular neuron recording, electronics, and programming laboratory equipment. References and names of three references should be sent by 15 April 1987, to: Dr. C. G. Gross, Department of Psychology, Princeton University, Princeton, NJ 08544. Princeton University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Postdoctoral position available beginning immediately with new assured support for 3 years to study mechanisms of pulmonary injury (adult respiratory distress syndrome) and strategies for prevention. In vitro endothelial permeability studies along with rodent models will be used to evaluate antinmucous nesosis factor and anti-CA antibodies along with newer reagents. Send curriculum vitae and names of three references to: Dr. Thomas A. Raft, Division of Respiratory Medicine, Stanford University School of Medicine, Stanford, CA 94305. Telephone: 415-723-6381.

POSTDOCTORAL POSITION

Available immediately for junior-level, newly graduated Ph.D.'s with research experience in a Ph.D. laboratory. Experience includes characterization of molecular and cellular events in reactivation of latent human immunodeficiency virus (HIV) by viral cofactors. The study also involves testing natural, nontoxic substances as antiviral agents for controlling HIV replication and reactivation. Interested candidates should send curriculum vitae and names of three references to: Razi Javidbashi, Ph.D., Head, Viral Cancer Gene expression Program, Linus Pauling Institute of Science and Medicine, 440 Page Mill Road, Palo Alto, CA 94306. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Postdoctoral positions available immediately to study cardiac membrane physiology and pharmacology. Applicants should have a Ph.D. and/or M.D. and a strong interest in the cardiac system. Applicants should have a Ph.D. and/or M.D. and a strong interest in the cardiac system. Applicants should send curriculum vitae and names of three references to: Dr. Arnold M. Katz, Department of Pharmacology, University of Connecticut Health Center, Farmington, CT 06032.

An Affirmative Action/Equal Opportunity Employer M/F/H.

POSTDOCTORAL POSITIONS

Positions available in the area of molecular control of cell death and survival. Applicants should have a strong interest in the molecular mechanisms of cell death and survival. The Health Science Center is a center of excellence in the study of apoptosis. We are investigating the molecular and cellular mechanisms of cell death and survival in mammalian cells. Experience in protein chemistry and molecular biology is required. Please send curriculum vitae and names of three references to: Dr. L. R. L. L. lllulano, Department of Pharmacology, University of North Carolina-Chapel Hill (UNC-CH) School of Medicine, Chapel Hill, NC 27514.

POSTDOCTORAL POSITIONS

Positions available immediately to engage in projects on G-protein-mediated transmembrane signaling (Dr. Heini J. Artru), roles or glycoconjugates in hormone-receptor and cell-substratum interactions (Dr. Diane A. Blake), and application of interfourescence spectroscopy and/or high pressure biochemistry to receptor-mediated signal transduction (Dr. Parkinson Chung). Salary up to $18,000. Our laboratories are contiguous and successful applicants will be expected to interact with these laboratories. Applicants should send curriculum vitae, statement of research experience, and names of three persons who may be contacted for reference to: Dr. Heini J. Artru, Department of Biochemistry, Meharry Medical College, Nashville, TN 37208.

POSTDOCTORAL/RESEARCH ASSOCIATE

To work on the immunogenetics of the acute leukaemias in rapidly expanding Physical Centre. Project involves some knowledge of C1q and C1r cell assays, aagrose block electrophoresis, SDS-polyacrylamide gel electrophoresis, and Transblotting (Western blot). Experience with monoclonal antibodies desired. Work would involve close collaboration with molecular biologist and hematologist. Send curriculum vitae, and three letters of reference to: Dr. Harold R. Schoenbacker, Department of Pathology, 2160 South First Avenue, Loyola University Medical Center, Maywood, IL 60153. Loyola University is an Equal Opportunity Employer.

LABORATORY/HEMATOLOGY FELLOWSHIP

Loyola University Medical Center, Chicago is establishing a new program in laboratory hematology for pathologists board certified in AP and CP. Internists and pediatrics with comparable boards interested in more in-depth training in hematology will be considered. The program will be broad and directed toward subspecialty board certification with training in coagulation, peripheral blood, bone marrow, and platelet pathology during the first year. The second year will be devoted primarily to research. Interested candidates should send a curriculum vitae and names of three references to: Dr. Harold Schalender, Professor and Chief of Hematology, Department of Pathology, Loyola University Medical Center, 2160 S. First Avenue, Maywood, IL 60153. Loyola University is an Equal Opportunity Employer.

POSITIONS OPEN

Two postdoctoral positions to study regulation gene expression during limb development and chondrogenesis. Applicants should include the use of recombinant DNA techniques to analyze molecular mechanisms by which extra-cellular matrix, cytokine, and cyclic nucleotides regulate gene expression. Experience in recombinant DNA techniques and/or cell-matrix interactions desirable. Send curriculum vitae and names of references to: Dr. R. A. Swisstack, Department of Anatomy, or Dr. William B. Upton, Department of Biostructure and Function, University of Connecticut Health Center, Farmington, CT 06032. An Affirmative Action/Equal Opportunity Employer M/F/H.
**MOLECULAR BIOLOGIST**

We are seeking a senior level investigator with a vigorous, well-funded research program to expand into a new research building under construction at the Medical College of Wisconsin. Approximately 6500 square feet of laboratory space has been allocated in the new facility for the research programs of this investigator and selected faculty. Preferred areas of research include, but are not limited to, eucaryotic gene expression, human genetics, oncogenesis, and microbial pathogenesis. In addition to conducting his or her own research project, the successful candidate will assume a leadership role in the establishment of an Interdepartmental Research Unit (IRU) in Molecular Biology at MCW.

The IRU will be composed of faculty with similar research interests drawn from both existing and newly recruited faculty. The Director will participate in the selection of additional faculty and will promote the growth of a strong, coordinated program in Molecular Biology. Faculty associated with the IRU will have tenure-track appointments in the appropriate department and will participate in graduate training programs at MCW. The new research building will also house IRUs in areas such as neurosciences and immunology that, as a network, will foster the development of interdisciplinary research projects involving both basic and clinical science faculty.

Qualified applicants should send a complete resume not later than May 1, 1987 to:

The Cancer Center of the Medical College of Wisconsin
8701 Watertown Plank Road
Milwaukee, WI 53226

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**Senior Investigator Protocol Management**

Smith Kline & French Laboratories, a leader in pharmaceutical research and development located near Valley Forge, PA, is seeking a clinical scientist to develop clinical trial protocols and case report forms for worldwide clinical trials. The successful candidate will maintain an awareness of current thinking and new discoveries in his/her therapeutic area through attendance at meetings and seminars; participate in study design decisions and development of clinical plans through participation on international clinical committees; validate new designs through field testing; supervise junior scientific staff; and assist in preparing departmental strategic plans, budgets and other resource forecasts.

We require a PhD in Pharmacology or other biomedical science or equivalent experience; a biomedical background in gastrointestinal, respiratory, immunology or anti-infectives is preferred. Knowledge of clinical trials protocol design equal to five years experience in new drug development and knowledge of multinational regulatory requirements are necessary. Previous supervisory experience is also required.

We offer an excellent compensation/benefits and relocation package and the opportunity for personal and professional growth. Please send c.v. and salary history to: T. Welford, Manager, Personnel Relations, SmithKline Backman Corporation, 1554 Spring Garden Street, Philadelphia, PA 19101. No phone calls please. We are an equal opportunity employer, M/F/H/V.

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**Glaxo Has The Prescription For Career Success**

The fastest growing research-oriented pharmaceutical company in the U.S. is now recruiting B.S./M.S. level pharmacologists with extensive experience in the cardiovascular area to include: conscious instrumented dogs, measurement of cardiac output, total peripheral resistance, regional blood flow and related techniques. The successful candidates will join an emerging cardiovascular section dedicated to innovative drug discovery.

**RESEARCH SCIENTISTS**

**RESEARCH ASSISTANT**

Qualified candidates will be responsible for:
- Solving methodological problems related to the experimental testing of drugs.
- Working with physiological mechanisms involved in the control of the cardiovascular system and the effects of drugs on these controls.

Background should include a B.S. in the Life Sciences with 2-4 years industrial and/or academic experience for the Research Scientists and 0-2 years industrial and/or academic experience for the Research Assistant, with in vivo pharmacological and physiological experiments to include hemodynamic measurements in large animals. Candidates must possess the organizational skills required to keep written records of experiments and meet the administrative requirements of an operational laboratory dedicated to drug development.

Your abilities and potential will be recognized with a competitive starting salary and benefits package. Our location offers a mild climate year round, access to some of the finest universities in the country, numerous cultural activities and nearby recreational facilities. For prompt consideration, please forward your resume, including salary history, to:

Dept. 86-291E-SC

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No Private Agency Referrals, Please

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MANAGER
SCIENTIFIC PUBLICATIONS

Head, Department of Scientific Publications of The Cleveland Clinic Foundation, Cleveland, Ohio. This individual functions as the Managing Editor, Cleveland Clinic Journal of Medicine (circulation 100,000), as well as supervising the staff editing of books and articles written by 400 CCF Physicians and Scientists for peer review journals. Preferred experience in all aspects of journal publishing, a background in science and English, and demonstrated management skills.

The Cleveland Clinic Foundation is a private, nonprofit organization with a 1000-bed hospital, clinic, educational division and a research institute. The Foundation has made a large commitment to residency, medical students, allied health and nursing education as well as sponsoring many continuing education courses for health care practitioners.

The Cleveland Clinic Foundation offers a competitive salary and fringe benefit package. Send resume to:

Chairman, Division of Education
Room TT 3-308
THE CLEVELAND CLINIC FOUNDATION
9500 Euclid Avenue • Cleveland, OH 44106
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IMMUNOLOGY TRAINING PROGRAM
POSTDOCTORAL FELLOWSHIPS

Postdoctoral positions are available within the Department of Microbiology and Immunology at Duke University Medical Center, supported by NIH Institutional Training Grants. Some of the research interests of the 38 faculty members are:

D. Bernard Ames: Immunologic recognition of human and murine histocompatibility antigens of tumors and allografts; HLA polymorphisms

Yair Argon: B cell differentiation and the control of antibody secretion

Andrew Balder: Regulation and function of African trypanosome surface glycoproteins

R. Randal Bellinger: Transplantation immunology, induction of immunological tolerance

Rebecca H. Buckley: Human T and B cell development and aberrations in their development and regulation

Mary Carrington: Regulation of HLA class II gene expression

Ronald B. Corley: Gene expression in differentiating B lymphocytes and B cell subsets; function(s) of class II molecules in B lymphocyte activation

Peter Creswell: Biosynthesis and genetic regulation of the glycoprotein HLA antigens

Jeffrey R. Dawson: Role of NK cells in regulating lymphocyte differentiation and function

Olja Fink: T-cell repertoire in human anti-allograft and anti-tumor responses

Barton F. Haynes: Human T cell biology, thymic microenvironment-thymocyte interactions and human T lymphotropic retroviruses

Donna Kostya: Human MHC genes, definition and participation in immune responses

Eborah Linney: Gene expression in mouse teratocarcinoma

Richard Metzgar: Basic and clinical studies of membrane associated antigens of normal and malignant human and simian cells

Francis E. Ward: Human histocompatibility genes, polymorphism and regulation of expression

Send curriculum vitae with a description of research interests and goals, names of references, and indicate faculty member(s) of interest to: Dr. Francis E. Ward, Postdoctoral Coordinator, Box 3010, Duke University Medical Center, Durham, North Carolina 27710.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER
DUKE UNIVERSITY MEDICAL CENTER

DIRECTOR
National Optical Astronomy Observatories

Expressions of interest are solicited in the position of Director of the National Optical Astronomy Observatories (NOAO), managed by the Association of Universities for Research in Astronomy, Inc. (AURA). Headquartered in Tucson, Arizona, NOAO comprises the Cerro Tololo Inter-American Observatory in La Serena, Chile, the National Solar Observatory in Sunspot, New Mexico, and Tucson, Arizona, and the Kitt Peak National Observatory and the Advanced Development Program, both located in Tucson.

The Director has responsibility for assuring accomplishment of the mission of the observatories and for deciding and allocating resources among the observatories within the constraints of an approved program plan and budget. The Director has primary responsibility for formulating long-range objectives of the observatories in consultation with the astronomy community, and for advocating programs and projects to accomplish these objectives.

The Director reports through the AURA President to the AURA Board of Directors and maintains close communication with the funding agencies and with the university astronomical community.

The Director must have an earned doctorate in astronomy, or in a closely related physical science, and a thorough understanding of the nature and purpose of the major user-oriented world centers of astronomy. The successful candidate will be a recognized scientist as demonstrated by a record of significant publications and will have been effective in liaison with the national and international scientific communities. Experience in the management and supervision of major scientific research programs is required, and familiarity with development of state-of-the-art experimental techniques is highly desirable.

Nominations or expressions of interest for this position should be sent by April 15, 1987, to:

Dr. Robert W. Noyes, Chairman Search Committee AURA, Inc. Suite E20 2100 Pennsylvania Avenue, NW Washington, DC 20037

AURA IS AN EEO/AA EMPLOYER

BIOTECHNOLOGY RESEARCH SCIENTISTS

CODON, a rapidly expanding biotechnology company in the San Francisco Bay Area, has immediate openings for outstanding scientists with proven records of research achievement and the motivation to take advantage of the growth opportunities the company affords. The company is dedicated to commercial applications of fermentation, tissue culture, and recombinant DNA technology to both the human and animal health care markets. Positions are available at both the Ph.D. and non-Ph.D. levels in the following areas:

- Protein Chemistry
- Molecular Biology
- Biochemistry
- Immunology
- Microbiology
- Molecular Genetics
- Process Development

CODON offers an attractive compensation and benefits package, including equity participation. Please send a curriculum vitae with a description of research interests and accomplishments together with the names, addresses, and telephone numbers of three references to: CODON, Human Resources Division, 430 Valley Drive, Brisbane, CA 94005.
**Scientists**

Join Schering-Plough’s Physical and Analytical Chemistry Research and Development Division in supporting protein and recombinant product development.

**Senior Scientist (Ph.D.)**—Evaluate purified drug substances and formulated products. Requires 1-3 years’ experience including relevant postdoctoral study.

**Associate Scientist (B.S./M.S.)**—Conduct method development experiments and evaluate stability of drug substances and formulated products. Requires 2-3 years’ experience.

Candidates for both positions must be proficient in classical wet chemistry and modern electrophoteric techniques.

We offer a competitive salary and benefits package. Please forward resume, indicating position of interest, to: B. Van Vliet, Schering-Research, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer.

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**TECHNICAL ANALYST**

(Washington, D.C.)

Put your technical and scientific skills to work by developing and coordinating national human risk research and policy recommendations on radiation, hazardous waste and/or toxic substances. Advanced degree in scientific discipline, with 5 years technical experience and several years diverse project management experience required. An appreciation of the role of science in forming public policy necessary. Send resume and salary history to:

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**SCIENTIST/ENGINEER**

The Applied Science Division of Lawrence Berkeley Laboratory seeks a Ph.D. level scientist or engineer to conduct experimental research in fluid mechanical aspects of premixed and non-premixed turbulent combustion flows. Plans and conducts experiments in collaboration with other senior researchers; prepares written results for journal publications.

Interested applicants should have a Ph.D. in mechanical engineering or thermal and chemical sciences (or equivalent in education and experience) plus demonstrated research accomplishments in turbulent combustion research, experimental measurements, computer controlled data acquisition and analysis. A strong theoretical background is also required in combustion dynamics and fluid mechanics, in particular, an in-depth knowledge of modern theories of turbulent flame structure. Preference will be given to candidates who are experienced in the use of laser optical diagnostics, RT-U and RSX computer operating systems.

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A position is available to investigate the localization and expression of skeletal muscle. We are studying the neural control of these processes during development and in adult muscle. The laboratory is equipped with neurophysiological, molecular biology, and histochemical techniques. If interested, please contact: Arnold Schwartz, Ph.D., or Jeffrey Robbins, Ph.D., at the University of Cincinnati College of Medicine, Department of Pharmacology, 231 Bethesda Avenue, Cincinnati, OH 45267—0575. Equal Opportunity/Affirmative Action Employer.

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fellowships

postdoctoral fellowship: NIH fellowship to study regulation in cultured mammalian endothelial and neuronal cells. position will be supported at a reimbursement level determined by the applicant's experience and will commence 1 July 1987. project will involve studies using radiolabeled probes, fluorescence and Coulter Counter techniques to measure cell volume and to relate volume changes to ion transport pathways. contact: Dr. H. K. Kimbel, Division of Neurosciences, Albany Medical College, Albany, NY 12208.

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