POSITIONS WANTED

Research Scientist, Ph.D. Looking for an interesting research project. Background in wound healing, plasma proteins, and connective tissue. Box 70, SCIENCE.

Toxicologist, Ph.D., Board-certified with 10-plus years of industrial experience seeks position in California: chemical, consumer product, pharmaceutical, and hazardous waste site experience. Box 71, SCIENCE.

AGRICULTURAL MICROMETEOROLOGIST (Position #103). Tenure-track position, assistant/associate professor level, 80% research/20% teaching. Research emphasizes relationships of soil-plant-atmosphere continuum. Teach: advanced agricultural meteorology, introductory agricultural meteorology, and supervisory graduate courses. Required: Ph.D. in agricultural meteorology or soil/environmental physics with emphasis on micrometeorology, atmospheric physics, mathematics, plant physiology, and soil science. Experience in measuring and modeling fluxes of radiation, heat and mass from vegetative surfaces. Ability to secure external funding; excellence in oral and written communication skills. For further information, interested applicants should contact: Dr. Michael A. Argebright, Department of Agronomy, Throhmorton Hall, Kansas State University, Manhattan, KS 66506. Telephone: 913-352-6101. Application deadline is 16 June 1989. Kansas State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ANATOMIST

Sabbatical replacement (1 year, non tenure track) to teach vertebrate histology (fall) and chordate anatomy (spring). Supervision of teaching assistants required, some departmental service and interaction with graduate students expected. Research not expected but encouraged. A transmission electron microscope is available. Ph.D. in an appropriate field required. Teaching experience at the college level preferred. Submit letter of application, résumé, and names of three references by 5 June 1989 to:

Stan Cobb, Search Committee Chair
Lecturer, Vertebrate Anatomist
The University of Delaware
Newark, DE 19716

An Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR: Applications are invited for the position of assistant professor in the Department of Biochemistry. Individuals with an M.D. or Ph.D. degree and at least 2 years of postdoctoral experience are encouraged to apply. Experience in any of the areas below can be a factor in the selection process: (i) experience in the purification, quantitation and reconstitution of sugar transport proteins into artificial membranes; (ii) experience in chemical and spectroscopic studies of steady-state transport phenomena; (iii) experience in the use of state-of-the-art instrumentation such as Differential Scanning Calorimetry for analysis of membrane physical state; (iv) experience in the use of immunochemical and photoaffinity probes of sugar transport protein structure; (v) experience in the synthesis of glycosylated polypeptides. The successful candidate will be expected to teach biochemistry courses to medical and graduate students; to contribute to the development of departmental courses; and to establish and direct an externally funded research program on the physical basis of protein-mediated sugar transport and its modulation by membrane lipids and cellular metabolic status. Send curriculum vitae, outline of research interests, and the names and addresses of three references by 16 June 1989 to:

Department of Biochemistry
University of Massachusetts Medical School
55 Lake Avenue North
Worcester, MA 01655

An Affirmative Action/Equal Opportunity Employer.

ASSISTANT OR ASSOCIATE PROFESSOR PHYSIOLOGY AND BIOPHYSICS

Three tenure-track faculty positions are available at the assistant or associate professor levels. Candidates should be trained in either microcirculatory control, neural control of the circulation of organ-specific vascular physiology. A doctoral degree plus 2 years of postdoctoral experience is required. Faculty are expected to develop active independent research programs and to participate in the teaching programs of the department. Salary, benefits, and set-up funds are attractively competitive. Applicants should submit curriculum vitae, a letter of interest and three sets of names and addresses of three by 30 June 1989 to:

Irvine H. Zucker, Ph.D., Chairman
Department of Physiology and Biophysics
University of Nebraska College of Medicine
42nd and Dewey
Omaha, NE 68105

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

SMITHSONIAN ARCTIC ANTHROPOLOGY POSITIONS


Applications are invited for the position of postdoctoral associate professor of computer science at the University of Delaware. The University of Delaware is an Equal Opportunity Affirmative Action Employer. Women and minorities are encouraged to apply.
SENIOR TOXICOLOGY POSITION

BOEHRINGER INGELHEIM PHARMACEUTICALS, Inc., is engaged in the discovery, development, manufacture and marketing of novel therapeutic agents. The following position is available at our Research and Development Center, located in DANBURY, CT.

This position, reporting to the Director of Toxicology and Safety Assessment, will be responsible for the Investigational Toxicology Program involved with in vitro/in vivo mutagenicity test systems. This includes the management of the cellular and molecular toxicology testing laboratory as well as significant participation in our drug discovery programs.

Requirements include a PhD in a Biological Science and 7 or more years experience in Genetic/Cellular Toxicology, Experience in mutagenicity/carcinogenicity, structure activity relationships, and in vitro toxicity test systems required. Knowledge of chemistry, biochemical toxicology and pharmaceutical discovery preferred.

BOEHRINGER INGELHEIM offers a competitive salary and benefits package including relocation assistance, modern facilities and the opportunity to have your contributions recognized. If interested, please send your curriculum vitae to: Dept. J-C-15-948, BOEHRINGER INGELHEIM PHARMACEUTICALS, Inc., 90 East Ridge, PO Box 368, Ridgefield, CT 06877. We are an equal opportunity employer M/F/H/v.

Boehringer Ingelheim

WANTED

Director of Research

Natural Product Sciences Inc., a young and energetic Salt Lake City-based company, is seeking a Director of Research to manage its rapidly expanding research and development activities which target the development of novel pharmaceutical and agrichemical agents derived from a wide range of natural products, including insect and animal toxins, marine organisms and plant tissues.

The Director of Research will direct a growing staff of researchers in chemistry and biology, as well as manage the scientific collaborations that are in place with major corporate partners. The Director of Research will also coordinate activities of the strong scientific advisory board and consultant network which has been established to enhance in-house research efforts. In addition, the Director of Research will have a pivotal role in developing strategies for future research directions of the company.

The successful candidate should have a Ph.D. degree in chemistry, pharmacology, or related field and should have experience in managing a multi-disciplinary research program. Preference will be given to candidates with a demonstrated record of scientific accomplishment, management experience, pharmaceutical or agrichemical discovery and experience in natural product research.

This position represents a major career opportunity with salary and equity incentives commensurate with senior research and managerial responsibilities. Qualified applicants should submit their resume, including the names, addresses and phone numbers of three professional references, to President, Natural Product Sciences, Inc., P.O. Box 8327, Salt Lake City, Utah 84108. NPS is an equal opportunity employer.

BIOMEDICAL RESEARCH AND DEVELOPMENT

ICI Pharmaceuticals, ranked among the top pharmaceutical research organizations in the world, is dedicated to the challenge of discovering and developing new and important therapeutics for our patients. Our continuing growth and commitment to research have created a number of openings which offer excellent opportunities for individual creativity, visibility and advancement at our Wilmington, Delaware research facility.

Pulmonary Pharmacology

RESEARCH SCIENTIST — PhD with experience in pulmonary pharmacology, interested in studying airway hyperresponsiveness. Knowledge of pulmonary pharmacology/physiology required for developing models and acquisition of in vitro and in vivo information relevant to the mechanisms of airway hyperresponsiveness.

PHARMACOLOGISTS — BS/MS in a biological science with background in pulmonary pharmacology. Work involves studies of asthma or airway hyperresponsiveness at in vitro and in vivo levels.

CNS Pharmacology

RESEARCH SCIENTISTS — BS/MS in areas related to molecular biology, cell biology and genetics, with experience in gene cloning, prokaryotic and eukaryotic expression systems, and mutagenesis.

NEUROPHYSIOLOGIST — BS/MS in neurobiology with experience in neurophysiology required to assist in the design and execution of pharmacological studies to identify drugs for CNS disorders. Proficiency in electrophysiological techniques (stereotaxic surgery, histology, extracellular single unit recording, iontophoresis, brain slice) desired. Knowledge of electronics and computer science preferred.

PHARMACOLOGISTS — BS/MS in biology or biochemistry with experience in neurobiology or cell biology to work on receptor binding techniques, catecholamine metabolism or second messenger assays. Experience with tissue culture, HPLC analysis desirable.

General Pharmacology

SENIOR PHARMACOLOGIST — PhD position for post-doctoral Fellow or Senior Member with degree in smooth muscle and/or autonomic pharmacology, experience in in vitro and/or in vivo techniques, and strong record of research ability and communication skills. Knowledge of receptor theory desirable.

PHARMACOLOGIST — BS/MS in biological sciences or related discipline for work involving in vitro tests using isolated tissues for characterization of pharmacological activity of compounds. Familiarity with receptor function and electrolyte transport and membrane pharmacology/physiology preferred. Knowledge of epithelial tissues desirable.

We offer an excellent salary and benefits program, including tuition aid for approved graduate study, and opportunities for professional growth.

Please send your resume with salary requirement, indicating the position for which you are applying, to:

Mary S. Carroll
ICI Pharmaceuticals Group
Wilmington, DE 19897

An Equal Opportunity Employer M/F.
APPLICATIONS ARE INVITED FOR THE POSITION OF ASSOCIATE PROFESSOR, INSECT GENETICS AND臟URS.

The Department of Entomology and Molecular Biology at the University of Florida is seeking candidates for the position of Associate Professor in Insect Genetics. The successful candidate will be expected to establish and maintain an active, competitive, and externally funded research program in insect genetics and to contribute to the department's mission of discovery, teaching, and service. The position comes with a competitive salary, startup funds, and access to state-of-the-art facilities and resources.

Applicants should hold a Ph.D. in genetics or a related field, with a strong background in genetic analysis and a demonstrated record of publication. Experience in teaching genetics at the undergraduate and graduate levels is also desirable.

The University of Florida is committed to diversity and inclusion in its hiring practices. Applications from women, minorities, and individuals with disabilities are strongly encouraged. Applications should be submitted online at the University of Florida's website, and should include a curriculum vitae, a statement of teaching and research interests, and the names and contact information of three references.

The University of Florida is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

Biotechnology

To provide logistical support for biology and neuroscience programs at a Liberal Arts College. Emphasis on molecular biology and related instrumentation plus responsibility for a modest SEM facility. Will provide instruction for unenrolled students.

Qualifications: B.S. in science or engineering with several years of experience and demonstrated familiarity with diverse scientific instruments.

Salary: Competitive.

Send resume including two letters of reference to: The Chair, Department of Biology, Oberlin College, Oberlin, OH 44074. Applications received by June 30, 1989 will be given priority. Women and minorities are encouraged to apply.

USDA-AGRICULTURAL RESEARCH SERVICE
PLUM ISLAND ANIMAL DISEASE CENTER
MOLECULAR BIOLOGY LABORATORY
GREENPORT, LONG ISLAND, NEW YORK

RESEARCH ASSOCIATE—MOLECULAR BIOLOGY

A postdoctoral Research Associate appointment is available in a molecular biology laboratory studying Foot-and-mouth disease (FMD) including key basic viral molecular/biological properties and new molecular approaches to detection, characterization, and control. The research group operates on a fully funded research program in laboratories providing the latest equipment including facilities for oligonucleotide and peptide synthesis. The research project involves a study to express FMDV to identify proteins in FMDV and assay for their antigenicity in vitro and immunogenicity in animals. Experience in recombinant DNA technology is necessary and knowledge of protein expression systems is desirable. Appointments are for up to two years and are funded at $28,852 (GS-11) to $34,580 (GS-12) depending on qualifications. The successful candidate must be a U.S. citizen and have obtained a research PhD within the last three years. Applicants should send a curriculum vitae and the names and addresses of three references to: Dr. M. Grubman, USDA, ARS, NAA, Plum Island Animal Disease Center, P.O. Box 848, Groton, CT 06340. Inquiries should be made by June 30, 1989.
GLAXO INSTITUTE FOR MOLECULAR BIOLOGY S.A.

The Geneva molecular biology research unit of one of the largest pharmaceutical companies in the world has a vacancy for

POSTDOCTORAL FELLOWSHIPS

The Glaxo Institute for Molecular Biology (GIMB) has a staff of approximately 130. Projects include viral therapeutics, neurobiochemistry and the regulation of cell proliferation and differentiation. We are part of the Glaxo group, Britain’s largest pharmaceutical organization, which has an outstanding reputation for the quality of its research and products. GIMB is a leading group in applying genetic engineering to medical research.

Applications are invited for Research Fellowships in the following project areas:

- regulation of IgE synthesis
- molecular neurobiology
- cytokine signal transduction
- fungal molecular biology

Candidates should have appropriate experience in molecular or cell biology.

We offer excellent facilities and research opportunities together with an attractive salary and benefits package. Interdisciplinary and collaborative research is actively encouraged at GIMB.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three references to: Rita Gloor, Personnel Manager, GLAXO IMB S.A., 46, route des Acacias, 1211 Geneva 24, Switzerland.

University Hospital
Research Scientist
(UH-S-0017-89-04-S)

Living Skin Bank

There have been vacancies created to undertake a major research program with a view towards implementing a living skin bank. This research program will complement an active burn unit in the University Hospital at Stony Brook.

Required: PhD degree in a biological science and at least one year of postdoctoral experience in a research lab.

Desired: Previous experience with tissue culture.

Please submit resume with UH# to: University Hospital, Dept. of Human Resources, Health Sciences Center, SUNY Stony Brook, Stony Brook, NY 11794-8300.

SUNY Stony Brook is an affirmative action/equal opportunity educator and employer.

The University of Toledo Announces The Nippon Electric Glass Company, Inc. Endowed Chair in Silicate Science

The University of Toledo, a comprehensive, doctoral degree-granting research University, invites nominations and applications for a recently established endowed faculty position in silicate science. The University is seeking an internationally recognized research scholar with a demonstrated record of major levels of external support who will bring a well-recognized research program in an area broadly defined as silicate science and/or materials research. The holder of this faculty chair will be expected to interact strongly with University faculty who have related research programs in the Departments of Physics and Astronomy, Chemistry, Geology, and in the College of Engineering. In addition, this person will be encouraged to interact with industrial scientists and engineers in the fields of glass, ceramics, composites and silicate-related materials.

The successful candidate will qualify for a tenured professorship in an appropriate academic department and become a member of the Eitel Institute for Silicates and Ceramics Research. The Eitel Institute functions within a larger Materials Science Research Center, which also includes a recently established Thin Films Research Institute and Coal Characterization Laboratory.

Consideration of qualified and interested candidates will begin immediately. Nominations, applications and inquiries should be directed to:

Dr. William A. Kneller, Director
Wilhelm Eitel Institute
The University of Toledo
Toledo, Ohio 43606

The University of Toledo is an Affirmative Action and Equal Opportunity Employer.
**POSITIONS OPEN**

**BIOLOGIST:** Cornell College, a private liberal arts college located in Mount Vernon, Iowa, seeks candidates to fill a 1-year postdoc in its Biology Department. The successful applicant may be considered as a tenure-track candidate for 1990 to 1991. Courses to be taught include genetics, developmental biology, and immunology. Send curriculum vitae and three letters of reference to: Paul Christiansen, Chair, Department of Biology, Cornell College, Mt. Vernon, IA 52314

Formal consideration of applications will begin 1 July 1989.

Cornell College is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from women and minority candidates.

**POSITIONS OPEN**

**ENDOWED PROFESSORSHIP IN MOLECULAR BIOLOGY**

A senior faculty position in the Department of Biochemistry and Molecular Biology is available at The University of Oklahoma Health Sciences Center. The position is a funded endowed chair, the Ed W. Miller Chair in Molecular Biology. The holder of the Chair will have a major role in the continued development of the Department. This Chair and several other faculty positions in the College of Medicine will also play leading roles in an interdisciplinary Center of Excellence in Molecular Medicine. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Nominations should be sent to: John R. Sokatch, Chairman, Department of Biochemistry and Molecular Biology, The University of Oklahoma Health Sciences Center, P.O. Box 26001, Oklahoma City, OK 73190

**EXPERIMENTAL PLASMA PHYSICIST**

The UCI Plasma Physics Group anticipates openings in the postdoctoral and/or assistant research physicist levels. Appointees will participate in experiments related to the fields of plasma physics and high intensity Z-pinches. Applicants should have strong background in pulsed experiments at the Ph.D. level. Send curriculum vitae, references, and a statement of experience with these topics to: Dr. Amnon Fisher, Department of Physics, University of California, Irvine, CA 92717, An Affirmative Action/Equal Opportunity Employer.

**DIRECTOR PHARMACOTHERAPEUTIC DEVELOPMENT**

The Alcohol, Drug Abuse, and Mental Health Administration Center for Drug Abuse Research (NIDA), has established a program to develop new pharmacotherapeutic approaches for the treatment of mental and addictive disorders with an initial focus on drug abuse. The major goals of the program are to design new medications that can: (i) serve as replacement therapies for abused drugs, (ii) reduce craving for abused drugs, (iii) block the psychoactive effects of abused drugs, (iv) treat the acute toxicities associated with drug abuse, and (v) be used to effectively treat the pregnant drug abuser. In addition, new concepts to the treatment of drug abuse are being encouraged. The program will involve a full range of drug development activities from computer aided drug design to the concept of clinical trials. Funding allocated for fiscal year 1989 is approximately $13 million. It is expected that major collaborative relationships will be developed with the program, NIDA’s Clinical Research Centers, and private industry. The Director of the program will supervise a staff of eight to fifteen scientists with additional growth anticipated. Applications are encouraged from individuals whose background, training, and experience involve the following areas: (i) M.D. or Ph.D. in a biological science, (ii) knowledge of Federal drug development procedures and requirements, (iii) first-hand involvement in the successful development of an NDA, (iv) understanding of drug development activities in the private sector. The candidates should demonstrate a significant level of accomplishment in the area of their professional position. The Director will be expected to provide for individual research and other professional activities. Send curriculum vitae and three references to: Mr. W. Miller, President, W.Miller Research, P.O. Box 20857, Rockville, MD 20857. Applications should include a letter stating interest in the Division of Comparative Pathology. We are seeking an individual with a Ph.D. degree in either virology and/or immunology to participate in programs investigating the pathogenesis of laboratory animal disease and/or develop an independent research program. Salary commensurate with experience. Interested individuals should send curriculum vitae, bibliography, and the names of three references to: Dr. Norman Altman, University of Miami School of Medicine, Department of Pathology, P.O. Box 016960 (R-46), Miami, FL 33101.

**POSITIONS OPEN**

**FACULTY FOR ECOLOGICAL FIELD COURSES SCHOOL FOR FIELD STUDIES (SFS)**

SFS seeks full-time faculty and administrative/academic leaders at centers offering undergraduate courses in ecology and sustainable development. Unique field-based program settings emphasizing conservation study and research.

Zimbabwe: Director to start new Center for sustainable development; curriculum-site development, faculty search.

Kenya: two (two): Director and large mammal and/or rangeland ecology expert for wildlife courses and research.

Caribbean (three): Director and senior faculty for coral reef, marine biology, cultural ecology program. The University of the West Indies, Mona (that has established a faculty of reference for courses on whales, other marine mammals, marine biologist, marine mammalogist, and cultural ecologist. Director to develop new curriculum and center.

Australia: Director of Center for Rainforest Studies in Queensland.

To apply send resume, detailed letter, and four references (with telephone): Center Search, SFS 16 Broadway, Beverly, MA 01915.

**POSITIONS OPEN**

**FACULTY POSITION IN BIOCHEMISTRY AND MOLECULAR BIOLOGY**

Excellent facilities, good support and good research environment for a meticulous and highly promising researcher. Level of appointment commensurate with qualifications. Preference given to candidates who can enhance existing group of researchers on normal and/or pathological processes. Send curriculum vitae, bibliography, and three references to: Dr. John T. Penniston, Department of Biochemistry and Molecular Biology, Mayo Medical School, Rochester, MN 55905. Mayo is an Affirmative Action/Equal Opportunity Employer.

**POSITIONS OPEN**

**FACULTY POSITIONS THE WAKSMAN INSTITUTE RUTGERS THE STATE UNIVERSITY OF NEW JERSEY MOLECULAR AND DEVELOPMENTAL BIOLOGY**

Applications are invited for two tenure-track faculty positions at the Walkman Institute with joint appointment in the Department of Molecular Biology and Plant Pathology. Candidates should have a Ph.D. in plant molecular biology or related areas. The cutting-edge environment of Rutgers University includes the adjacent Center for Advanced Biotechnology and Medicine and the Robert Wood Johnson Medical School. Successful applicants will be expected to conduct vigorous independent research programs, and to participate in instruction and administrative activities. Preference will be given to candidates whose research programs concern the development of biological and molecular genetics of Drosophila, yeast, or filamentous fungi. Recently renovated laboratory space and generous startup funds are available.

Candidates should send biographical sketch with list of publications, description of research interests, and names of three references to: Dr. Richard M. L. Smith, Director, The Walkman Institute, Rutgers, The State University of New Jersey, P.O. Box 759, Piscataway, NJ 08855-0759. Rutgers University is an Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITIONS IN X-RAY CRYSTALLOGRAPHY**

The Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School and the Dana-Farber Cancer Institute are seeking applicants to fill two positions at the assistant professor level to be located at the Dana-Farber Cancer Institute. Applicants should be interested in using crystallographic methods to solve problems in structural biology and biochemistry and should have an appropriate combination of related graduate and postdoctoral level research experience. Interested applicants should send an outline of future research plans, curriculum vitae, bibliography, and the names of three to four references to: Professor Christopher Walsh, Chairman, Biological Chemistry and Molecular Pharmacology, Harvard Medical School, 240 Longwood Avenue, Room CI-213, Boston, MA 02115. Women and minorities are encouraged to apply. Dana-Farber Cancer Institute is an Equal Opportunity Employer.

**IMMUNOLOGIST/VIROLOGIST—Applications are invited for a faculty position in the Division of Comparative Pathology. We are seeking an individual with a Ph.D. degree in either virology and/or immunology to participate in programs investigating the pathogenesis of laboratory animal disease and/or develop an independent research program. Salary commensurate with experience. Interested individuals should send curriculum vitae, bibliography, and the names of three references to: Dr. Norman Altman, University of Miami School of Medicine, Department of Pathology, P.O. Box 016960 (R-46), Miami, FL 33101.
FACULTY OF MEDICINE AND HEALTH SCIENCES
UNITED ARAB EMIRATES UNIVERSITY

The Faculty of Medicine and Health Sciences is now in its third year of operation having accepted its first class of medical students in September 1988 following two years of premedical study. The Faculty of Medicine utilizes two affiliated hospitals in Al Ain, Tawam Hospital and Al Ain Hospital, with a total of 1050 beds. Currently housed in temporary facilities, it is in the process of finalizing plans for the construction of a teaching and research facility of international stature to be completed in 1991. The language of instruction is English.

The Faculty of Medicine invites applications for Faculty positions at the Assistant, Associate and Professorial levels. Professorial rank does not include Chairmanship responsibility. Candidates for these positions must have demonstrated interest in teaching, research and, where appropriate, patient care. Emphasis is placed upon candidates with an interest in and experience in a problem solving approach to medical education. In addition, candidates must possess a medical degree and/or Ph.D degree as appropriate to post or an equivalent higher professional degree from an accredited university or institution of higher learning: or any higher professional certificate such as membership or fellowship of one of the Royal Colleges of the UK, Ireland, Canada, Australia and New Zealand (MRCP, FRCS, MRC Path, MRC Psych, FFARCS, MRCOG, FRCR) or the certificate of the American Board or the Arab Board for Medical Specializations.

Faculty positions are available in the following departments:

- Human Anatomy
- Biochemistry
- Biophysics
- Community Medicine (including medical anthropology and sociology)
- Emergency and Critical Care
- Family Medicine
- Internal Medicine
- Islamic Medicine
- Medical Education
- Microbiology
- Obstetrics and Gynaecology
- Paediatrics
- Pathology
- Pharmacology
- Physiology
- Psychiatry and Behavioural Sciences
- Radiology
- Surgery

Individuals wishing to obtain additional information should send a curriculum vitae including a list of publications, copies of certificates and three current referees to:

Dr. Joel H. Lanphear
Associate Dean
Faculty of Medicine and Health Sciences
UAE University
PO Box 15551
Al Ain
Abu Dhabi
United Arab Emirates
Fax No: 971 3 638247

Applications should be received within one month following publication date. All positions will remain open until filled.

Postdoctoral Fellow Openings

The Monsanto Company, Corporate Research and Development Staff, located in suburban St. Louis, is seeking to fill the following postdoctoral positions.

Biochemistry

Receptor Biochemist: Investigate the cell biology, biochemistry and molecular biology of growth hormone receptor and its mechanism of signal transduction. The position focuses on studies examining structure/function relationships of the receptor, its turnover and internalization, and regulation. Experience in polypeptide growth factor receptors including expression and purification is preferred.

Molecular Neurobiology

Molecular Biologist/Electrophysiologist: Characterize excitatory amino acid receptors and their mode of signal transduction through the use of molecular biology, electrophysiology and/or protein biochemistry. Major emphasis will center on identification of ligand binding sites and coupling to effector systems such as ion channels. Experience in molecular biology, electrophysiology and/or protein biochemistry is highly desired.

Molecular Biologist/Biochemist: Study the signal transduction mechanism mediated by nerve growth factor and its receptor. Recombinant DNA techniques will be utilized to address the major focus of the project being elucidation of the mode of action of NGF. Background in the area of neuroscience and familiarity with tissue culture techniques are desirable.

Molecular Endocrinology

Molecular Biologist/Biochemist: Study the cellular and molecular biology of ligands, binding proteins, and receptors involved in the regulation of growth. Major emphasis will be on the regulation of expression of genes in the growth hormone/insulin-like growth factor pathway. Position will involve interactions with scientists in Monsanto operating companies and at Washington University. Experience in molecular biology and/or protein chemistry is desired.

Cell Biology

Cell Biologist/Molecular Biologist: Participate in basic research on regulatory factors and mechanisms responsible for tumor cell progression. Experience with cell culture techniques highly desirable.

Candidates are required to have a Ph.D. and a strong background in molecular or cell biology and biochemistry. We consider postdoctoral studies to be of major importance in a scientist's career and encourage publication of findings in leading journals and a full interaction with the scientific community. Our postdoctoral appointments are normally for a period of two years.

We offer excellent compensation and benefits as well as an attractive relocation policy. Please send your C.V. and the names of three references to: MONSANTO COMPANY; 8858-KG; 700 Chesterfield Village Parkway; St. Louis, MO 63196, Equal Opportunity Employer M/F/H/V.

Careers for people with ideas

Monsanto
Staff Researcher
Drug Metabolism

Syntex, an international healthcare company with a reputation for quality pharmaceutical products, is looking for a Ph.D Scientist to work in Bioanalytical and Metabolic Research.

The successful candidate will direct the design and implementation of metabolic pre-clinical studies in support of IND and NDA submissions to the FDA.

A Ph.D in one of the chemical or biological sciences, 2-5 years’ experience performing drug metabolism studies and excellent communication skills are required.

Drug Metabolism also has an opening for a BS/MS scientist with 3-5 years’ experience in enzyme kinetic studies using microsomes.

Syntex offers an excellent compensation and relocation package. For immediate consideration, please send your resume and salary history to Syntex, Professional Employment, Dept. KH, 3401 Hillview Avenue, Palo Alto, CA 94034. We are an equal opportunity employer.

VETERINARY PATHOLOGIST

Baxter Healthcare Corporation is currently seeking a Veterinary Anatomical Pathologist.

Responsibilities include: performing of necropsies, microscopic examination of tissues from a variety of laboratory animal species from toxicological studies, interpretation of organ weight, clinical pathology and anatomic data. Requires a DVM or VMD in veterinary pathology. The candidate should be a Diplomate of the American College of Veterinary Pathologists or eligible to take the ACVP examination. Individuals with prior industrial experience in toxicologic pathology, immuno-cytochemistry, electron microscopy or computerized morphometry are preferred.

Baxter employees enjoy a competitive salary and comprehensive benefits. For confidential consideration, please forward your resume with salary history to: Pam Miller, Human Resources Director (WG1-1N), Baxter Healthcare Corporation, Route 120 & Wilson Road, Round Lake, IL 60073. Equal Opportunity Employer.

Ph.D.—RESEARCH SCIENTIST
CARDIOVASCULAR HEMODYNAMICS

Wyeth-Ayerst Research, a subsidiary of Fortune 100 American Home Products Corporation, is searching for a Ph.D. Pharmacologist with 3-5 years post-doctoral experience in the assessment of hemodynamics and regional blood flows in rodent models. This individual will complement ongoing research efforts in antihypertensive and vascular disease drug discovery programs. Knowledge of and experience in the use of the Doppler system for measurement of blood flow will be a distinct advantage.

The successful candidate will be responsible for maintaining an active program in the assessment of drug action on the cardiovascular system and will be expected to develop his/her own special area of interest. Proven ability in oral and written communication is necessary.

Wyeth-Ayerst offers an excellent salary and benefits package plus opportunity for advancement along with an ultra-modern research facility. Interested candidates should send CV and salary history to:

Personnel Manager, Dept. 2774-GO

Wyeth-Ayerst Research Inc.
CN 8000
Princeton, NJ 08543-8000
An Equal Opportunity Employer M/F/H/V

BUILDING A NEW LAB?

LET THE SCIENCE FREE PRODUCT INFORMATION SERVICE PUT YOU IN TOUCH WITH THE VENDORS WHOSE PRODUCTS YOU WILL NEED.

SIMPLY WRITE US A LETTER STATING THE SPECIFICS ABOUT YOUR PROPOSED LAB AND WE WILL DO THE REST.

WRITE TO:

SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
1515 BROADWAY
NEW YORK, N.Y. 10036
THE FELS INSTITUTE FOR CANCER RESEARCH AND MOLECULAR BIOLOGY

POSITIONS AVAILABLE
FACULTY-POSTDOCTORAL-GRADUATE STUDENTS

MOLECULAR BIOLOGISTS-Tenure track positions. All areas of molecular biology and genetics are of interest. Some preference will be given to development of molecular biology and research on transgenic animals. Send curriculum vitae, a brief statement of research plans and request that three letters of recommendation be sent to the address below.

PROTEIN CHEMISTS-Tenure track positions. Send curriculum vitae, a brief statement of research plans and request that three letters of recommendation be sent to the address below.

POSTDOCTORAL POSITIONS-Postdoctoral positions are available in the areas of molecular biology and genetics, gene mapping, cell biology, biochemistry or carcinogenesis. Send curriculum vitae, a brief statement of research plans and request that three letters of recommendation be sent to the address below.

GRADUATE STUDENTS-A new program is starting at the Fels Institute for Cancer Research and Molecular Biology with a new Department of Molecular Biology and Genetics in the planning stages. Areas of study include molecular biology and genetics, gene mapping, cell biology, biochemistry and carcinogenesis. Active programs include oncogenes, genetic alterations in cancer formation, gene mapping, genes in growth control, DNA repair mechanisms, receptors and cellular transduction systems. Send curriculum vitae, a short statement on training interests, if known, and request that three letters of recommendation be sent to the address below. Entrants for the fall of 1989 will be considered.

Send information requested above to:
Dr. Gerald Litwack, Deputy Director
The Fels Institute for Cancer Research and Molecular Biology
Temple University School of Medicine
3420 North Broad Street
Philadelphia, PA 19140
An Equal Opportunity Employer

CHAIRMAN, MEDICAL SCIENCES DIVISION

Nominations and applications are invited for the position of Chairman of the Medical Sciences Division of Oak Ridge Associated Universities. ORAU is a private, not-for-profit consortium of colleges and universities and a management and operating contractor of the U.S. Department of Energy. Its mission is to carry out research and development in medical sciences, science/engineering education, productivity management and training, and energy/environment systems.

The Chairman provides scientific and managerial leadership to strengthen, build and conduct Division programs that address critical medical and health issues associated with energy. The Chairman's responsibilities include providing broad scientific and managerial leadership, developing a strong staff, allocating resources, and representing the Division to federal agencies, universities, and other organizations.

The Division's interdisciplinary staff of about 125 investigates the medical benefits and costs to the human body from natural and synthetic substances, primarily those from energy and energy-related technologies. It carries out basic preclinical research; develops beneficial applications to human health from science and technology; develops techniques to avoid, moderate, or reverse negative health impacts; analyzes the health risks and outcomes from applications of technologies; and provides information systems and management expertise to deal with health-related impacts.

Qualifications for the position include a doctorate in medicine and/or health science; an established record of excellence in research and/or research leadership; the ability to build and direct research staff; and to work effectively both within and outside ORAU. Excellent writing and presentation skills and leadership qualities reflected in vision, innovation, and organization are required.

Applications should include a letter of interest, a vita, a list of publications, and the names and addresses of at least three references. The Search Committee will continue its review until the position is filled. The appointee will assume the full responsibilities of Chairman in early 1990. A transition period preceding the retirement of the incumbent is planned.

Applications, nominations, and inquiries should be sent to:

Jon M. Veigel, President
Oak Ridge Associated Universities
P.O. Box 117
Oak Ridge, TN 37831-0117
An Equal Opportunity Employer

AQUATIC PROJECT COORDINATORS
($36,670 - $46,182)

The NYC Department of Environmental Protection is seeking highly energetic and skilled individuals to serve as coordinators in aquatic and marine geology. The candidate must be able to provide expert counsel to top-level managers on specific aquatic issues, and/or supervise preliminary geological studies and investigations. These studies require expertise in fresh and tidal wetland functions and coastal processes with some training as a bio-statistician.

QUALIFICATIONS
All candidates must have a baccalaureate degree from a college recognized by the University of the State of New York with a major in a specific appropriate field of scientific specialization, and one of the following:
1. Six years of experience in the specialized field; or
2. A satisfactory equivalent combination of education and experience. A Master's degree issued upon completion of an accredited course of study will be accepted as equivalent to one year's experience. A PhD or Doctorate of Science degree obtained after not less than three years of graduate study in the scientific field indicated by the title will be accepted as equivalent to three years of experience.

All interested candidates should send their resumes and salary histories to:

Zoe Ann Campbell, Deputy Director of Personnel
Department of Environmental Protection
346 Broadway, Room 831
New York, NY 10013
EOE M/F
NYC residency required within 90 days of appointment.
IMMUNOE HEMATOLOGIST—Scientist with experience in the study of the molecular aspects of T-suppressor/suppressor lymphocyte regulation in autoimmune disease of both humans and the analogous murine models. Extensive expertise in the study of immunological suppression and reconstitution of regulatory T lymphocyte subsets in autoimmune disease. Will publish in academic journals, national or international circulation. Ph.D. with specialty in at least two years of independent research. Proficiency in trainee seminars and ability to lecture in serologic techniques related to detection of suppression factors, serum-free culture techniques and ion-exchange chromatography. Training in protein chemistry and molecular biology techniques, in particular techniques such as gene transfection or transfection (brinod) technology, in tissue culture, and in animal handling are required. Salary: $50,000 per year. Job location is within the state of California. Send this ad and a résumé to: Job #CM3795, P.O. Box 9560, Sacramento, CA 95823–0560 not later than 3 June 1989.

INSECT NEUROBIOLOGIST. Full-time tenure-track appointment at the rank of assistant professor. We seek candidates having research interests in areas such as: integrative functions of the insect CNS, neuroendocrine mechanisms in neurogenetics, neurodevelopment, neuron physiology and pharmacology. Appointment will teach an undergraduate course in general insect physiology and conduct graduate seminars. Applicants should have a Ph.D. and demonstrate outstanding potential for research and teaching. Applications should include the following: (i) a letter of application and an academic transcript, (ii) evidence of teaching skills and experience; (iii) bibliography and selected reprints or manuscripts; (iv) statement of research objectives and approaches proposed; (v) names and addresses of at least three people who can provide recommendations. Submit all materials by 1 August 1989 to: D. L. Wood, Chairman, Department of Entomological Sciences, 201 Weillman Hall, University of California, Berkeley, CA 94720. The University of California is an Equal Opportunity/Affirmative Action Employer.

INSTRUCTOR/ASSISTANT PROFESSOR MOLECULAR BIOLOGY: XENOBIOTIC METABOLISM VANDERBILT UNIVERSITY The Center for Clinical Pharmacology, Departments of Medicine and Pharmacology, Vanderbilt University, has a tenure-track opening at the instructor or assistant professor level for an individual with training and teaching interest in molecular biology, especially as applied to the relevance of xenobiotic metabolism. The Center seeks an individual to complement existing research activities within the Departments as well as in the Center. Applicants should possess a background in training in molecular biology; an M.D. and/or Ph.D. in pharmacology, toxicology, biochemistry, or a related discipline; and demonstrated excellence in teaching and research. The Center is willing to establish and support an active independent research program that utilizes modern molecular and cellular approaches, as well as to effectively collaborate with other faculty in these areas. Applications, including curriculum vitae, a letter stating research interests, and names of three references, should be sent to: G. R. Wilkinson, Department of Pharmacology, Vanderbilt University, Nashville, TN 37232–6602. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

COLUMBUS UNIVERSITY DEPARTMENT OF ANATOMY AND CELL BIOLOGY JUNIOR FACULTY MEMBER to participate in research on the autonomic innervation of the viscera and 5-HT receptor subtypes. Experience with one or more of the following is desirable: molecular biology, EM, immunocytochemistry, and ligand binding techniques for the study of receptors. Send curriculum vitae, statement of research goals, and names of three professional references to: Michael D. Gerstein, Department of Anatomv and Cell Biology, College of Physicians and Surgeons of Columbus University, 650 West 168th Street, New York, NY 10032. Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

MAURY W. BRONSTEIN PROFESSOR OF PHYSIOLOGY An endowed tenure-track professorship in cardiovascular physiology will be available in the Department of Physiology and Biophysics at the University of Tennessee, Memphis. Candidates should have an outstanding history of research funding, a well-funded research program, and a strong research background in cellular aspects of cardiovascular physiology or related areas. The Maury W. Bronstein Professor will be expected to contribute significantly to the development of the cardiovascular research programs within the department and the University. Demonstrated ability to develop and maintain extramural funding activities of the department are expected. Funding for this position will be through an endowed professorship. Nominations and applications are invited. Applicants should send curriculum vitae, copies of three representative publications and the names of three references to: Dr. Leonard R. Johnson, Thomas A. Gerwin Professor of Physiology, and the position is filled. Salary will be commensurate with experience ($28,852 to $44,957). For information on the research program and/or position, contact: Dr. W. L. Mengeling (615–339–8256). For information on application procedures/forms, contact: Janie Carr at 301–344–2756. Applications in response to this ad should be marked with Michigan State University. Faculty searches are under way and, if not filled, will be reviewed at that time.

ME nical PHYSIOLOGIST INDIANA UNIVERSITY SCHOOL OF M edicine MUNCIE CENTER FOR MEDICAL EDUCATION AT BALL STATE UNIVERSITY MUNCIE, INDIANA Applications are being invited for a Ball State University tenured-track position in the area of medical physiology. The successful applicant will participate in team teaching medical physiology to first-year medical students and be expected to develop an active research program supported by outside funding. Minimum qualifications: Ph.D. or M.D. in medical physiology and postdoctoral experience in physiological research. Salary will be commensurate with experience. Review of applications will begin 30 June 1989. Applications should be sent to: Dr. Donald C. Spurrell, Chairman, Department of Physiology, Ball State University, Muncie, IN 47306.

MEDICAL PHYSIOLOGIST COLUMBUS UNIVERSITY SCHOOL OF MEDICINE, SCIENCE, AND ENGINEERING Wellington, OH The position of medical physiologist is available at the Department of Medicine, Columbus University, to lead research activities in cardiovascular physiology in the Division of Cardiology. Responsibilities include: (i) development of successful extramural funding activities of the department; (ii) continued development of an active research program in cardiovascular physiology; (iii) continued participation in graduate and postdoctoral training activities. Send curriculum vitae, letter of recommendation, a brief statement of research interests, and names of three references to: Dr. Robert N. Dent, Chairman, Department of Physiology, Columbus University, Wellington, OH 44090. Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST/GENETICIST University of Pennsylvania Department of Biochemistry and Molecular Biology The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer and actively encourages diversity in the workplace. Applications are invited for a Research Assistant Professor position in biochemistry and genetics to begin in 1989. Candidates will join a group of researchers using X-ray crystallography, nucleic acid techniques, and biochemical methods to study a variety of problems in nucleic acid chemistry, gene regulation, and molecular biology. The biochemistry and genetics of the research group are areas for which recent studies have provided important insights into the problems of gene expression. Experience in nucleic acid chemistry, nucleic acid isolation, or gene regulation is preferred. Applicants should have a Ph.D. degree and postdoctoral experience in these areas. A description of research interests and experience, curriculum vitae, and names of three references should be sent to: Dr. James L. Marko, Department of Biochemistry and Molecular Biology, University of Pennsylvania, 109 South 36th Street, Philadelphia, PA 19104. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE IN MONTANE ECOLOGY DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY UNIVERSITY OF ARIZONA This postdoctoral position involves participation in the design and implementation of a research program in montane ecology and physiology. New opportunity for independent research as well. We are seeking someone with extensive experience in field ecology. Experience in montane environments is desirable, but not necessary. Salary is $13,000 per year plus $22,000, and the position may continue for several years. The appointment will be made as soon as possible, but must be made by fall 1989. Applicants should submit curriculum vitae, reprints or preprints, and at least three letters of recommendation to: Dr. Russell Davis, Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, AZ 85721. Telephone: 602–621–1062 or 602–621–1588. Deadline for applications is 15 June 1989, or until the position is filled. The University of Arizona is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW/ RESEARCH ASSOCIATE GENE EXPRESSION/ TRANSCRIPTION FACTORS The Laboratory of Molecular Endocrinology at the Massachusetts General Hospital seeks a postdoctoral fellow or research associate to work on the regulation of gonadal hormones genes in molecular biology. The approach involves the use of molecular biology to explore the role of transcription factors in the regulation of gonadal hormones genes. The laboratory is seeking an individual with expertise in molecular biology and experience in transcription factors. Applications are invited for a postdoctoral fellowship and research associate position. Salary is $24,000 with fringe benefits and negotiation. Applicants should have a strong background in molecular biology and/or cell biology. A description of research interests and experience should be submitted. Applications should be sent to: Dr. Stuart M. Schreiber, Laboratory of Molecular Endocrinology, Massachusetts General Hospital, Boston, MA 02114.

POSTDOCTORAL FELLOW to investigate expression of membrane proteins in normal and injured endocrine tissue. Recent Ph.D. with good protein biochemistry and immunochemistry background. Salary from $25,000 to $30,000 with fringe benefits and negotiation. Submit curriculum vitae and names of three references to: C. N. Gillis, Ph.D., Department of Pharmacology, Yale School of Medicine, 333 Cedar Street, New Haven, CT 06510. Yale is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP available 1. July 1989 to study pathogenesis of human alphahemophilia. Recent Ph.D. with experience in molecular biology and/or immunology. Send curriculum vitae and names and addresses of three references to: Dr. J. J. Garcia, Division of Hematology, Department of Medicine, University of Minnesota, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.
**NEW ENGLAND BIOLABS EXPANSION**

New England Biolabs, Inc., a pioneer and leader in biotechnology, located twenty miles north of Boston near the ocean has begun a major expansion of its research facilities. In addition to competitive salary, NEB offers a very generous fringe benefits package and profit sharing. Attendance at meetings, publication of research results and open communication with others are encouraged. The following positions are available immediately.

**Staff Scientist:**
Gene Cloning in Streptomyces — Ph.D. with a strong background in recombinant DNA techniques to work on projects involving cloning, over-production and mutagenesis of restriction-modification systems in Streptomyces.

**Postdoctoral Positions:**

1. **Gene Cloning**
The candidate should have training in biochemistry/enzymology, molecular biology, or microbiology. Projects involve the cloning, characterization and mutagenesis of restriction-modification systems.

2. **Molecular Parasitology**
The parasitology group at New England Biolabs, Inc. is studying the major filarial diseases. Candidate should have experience in molecular biology and/or immunology. Projects will involve the cloning and characterization of filarial antigens.

**Molecular Biologist:**
Restriction endonuclease purification, requires B.S. or M.S. experience in protein purification. Strong background in molecular biology with emphasis on cloning techniques. Experience with HPLC would be helpful.

Candidates please submit curriculum vitae with three references to:

New England Biolabs, Inc.
Human Resources
32 Tozer Road
Beverly, MA 01915

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**FACULTY OF MEDICINE AND HEALTH SCIENCE**
**UNITED ARAB EMIRATES UNIVERSITY**

The Faculty of Medicine and Health Sciences is now in its third year of operation having accepted its first class of medical students in September 1988 following two years of premedical study. The Faculty of Medicine utilizes two affiliated hospitals in Al Ain, Tawam Hospital and Al Ain Hospital, with a total of 1050 beds. Currently housed in temporary facilities, it is in the process of finalizing plans for the construction of a teaching and research facility of international stature to be completed in 1991. The language of instruction is English.

Applications are invited from highly committed professionals wishing to hold leadership positions:

**Professor and Chairman**

Biochemistry
Community Medicine
Islamic Medicine
Medical Education
Obstetrics and Gynaecology
Pathology
Pharmacology
Physiology
Psychiatry and Behavioural Sciences
Radiology

Candidates must possess a medical degree and/or PhD degree or an equivalent higher professional degree from an accredited university or institution of higher learning; or any higher professional certificate such as membership or fellowship of one of the Royal Colleges of the UK, Ireland, Canada, Australia and New Zealand (MRCP, FRCS, MRC Path, MRC Psych, FFARCS, MRCOG, FRCS) or the certificate of the American Board or the Arab Board for Medical Specializations.

Candidates for these positions must be able to demonstrate leadership experience in the development of teaching, research and, where appropriate, clinical service programmes.

Persons interested in additional information should send a curriculum vitae including a list of publications, copies of certificates and the names of three current referees to:

Dr. Bashir Hamad
Dean
Faculty of Medicine and Health Sciences
UAE University
PO Box 15551
Al Ain
Abu Dhabi
United Arab Emirates
Fax No: 971 3 636247

Applications should be received within one month following publication date. All positions will remain open until filled.
RESEARCH SCIENTISTS
Radiation Oncology Dept.

Research positions available for studies in vascular biology & cancer research. Qualified applicants should possess a Ph.D. in Biological Sciences. Experience in biochemical/molecular biological/tissue culture/microscopy-imaging methods is highly desirable.

Send CV's to:
Susan Miller
Radiation Oncology Dept.
Long Island Jewish Medical Center
New Hyde Park, NY 11042
an equal opportunity employer

PIONEER

PIONEER HI-BRED INTERNATIONAL, INC.
Plant Breeding Division

Pioneer Hi-Bred International, Inc.—a worldwide leader in the supply of genetically improved agricultural products—is seeking a manager for the company's European biotechnology program.

The successful applicant will be expected to lead an independent research effort in the area of crop improvement with particular emphasis on transformation systems.

This is a permanent position that will be located at the University of Leiden, Netherlands, for the first two years. The research program will collaborate with ongoing research activities in transformation, expression, and gene isolation being conducted at the company's Biotechnology Research Department near Des Moines, Iowa.

In addition, the manager will be expected to interact with the European operations of Pioneer Hi-Bred to develop a strategy for implementing appropriate research programs in biotechnology.

Candidates should have a Ph.D. or equivalent with a minimum of three years' experience in Plant Cellular or Molecular Biology or related field. Excellent communications skills are essential.

Applicants should submit a CV and the names of three references to Mary Baker, Pioneer Hi-Bred International, Inc., Department of Biotechnology Research, 7300 Northwest 62nd Avenue, Johnston, Iowa 50131.

Pioneer Hi-Bred International, Inc. is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF ROCHESTER
ASSISTANT OR ASSOCIATE PROFESSOR IN
NEUROBIOLOGY AND ANATOMY

Applications are invited from individuals with experience in primatology and behavioral studies on learning, memory, and motor performance in mammals. Applicants must hold a Ph.D. or equivalent degree. This position involves participation with other faculty in multidisciplinary studies examining development, plasticity, regeneration, and recovery of function in the injured CNS. Participation in one of the department's educational programs is expected. Applications, including curriculum vitae, up to five representative reprints, and the names of three references should be submitted to: Professor Don M. Gash, Primate Transplantation Program, Department of Neurobiology and Anatomy, University of Rochester School of Medicine, Box 603, Rochester, New York 14627.

Affirmative Action/Equal Opportunity Employer

ONCOGEN

ONCOGEN, a division of Bristol-Myers and a leader in Biotechnology, performs research dedicated to pursuing novel approaches to the development of therapeutic products in the area of Immunology, Infectious Diseases and Cancer.

BIOCHEMIST
We wish to expand our research efforts utilizing monoclonal antibody-enzyme conjugates for the activation of anticancer drug derivatives. We seek candidates with experience in Enzymology and Protein Chemistry.

Qualifications: Ph.D. with postdoctoral experience. Please reference ad #023.

SCIENTIST
A position is available immediately for a Scientist in the Growth Regulators group involving isolation and characterization of novel biological response modifiers, investigation of mechanism of action in growth and differentiation, modulating molecules, and designing growth and metastasis modulating synthetic peptides and non-peptide molecules.

Qualifications: Ph.D. in Biochemistry, Cell Biology, Molecular Biology or related field with at least two years' experience in growth regulation and differentiation. Please reference ad #025.

POSTDOCTORAL POSITIONS
Assignments available in Growth Regulators, Biochemistry, Cell Biology, Molecular Biology and Immunology.

ONCOGEN offers a creative work environment, competitive salaries and an excellent benefit package. Qualified applicants please submit resume to: D. Stephens, ONCOGEN, 5005 First Avenue, Seattle, WA 98121. EOE/AAP.

The leader in revolutionary technology of DNA fingerprinting, ICI Diagnostics, is expanding its Central Technical Services (CTS) group to provide international support for its Cellmark Diagnostics business. CTS will develop new methods for DNA analysis in Forensics and Paternity, do late-stage development of new technologies/tests and provide technical support for all aspects of the service business.

CTS GROUP LEADER
PhD in Genetics/Molecular Biology with laboratory-based supervisory experience involving substantial use of molecular biological methods, preferably in R&D. Ability to use scientific skills to solve practical problems in a commercial environment is essential.

CTS SCIENTIST
BS or MS in Genetics/Molecular Biology with 2-5 years experience of employment in molecular biology laboratory, preferably in a commercial environment.

Salary commensurate with experience and ability. Excellent benefits package, location and growth potential. Send resume with salary history to: Director of Personnel

CELLMARK DIAGNOSTICS
P.O. Box 1000
Germantown, MD 20874
Equal Opportunity Employer
Emery Chemicals, a group within Henkel Corporation, one of the world's leading specialty chemical manufacturers has the following openings:

The Biotechnology Group at Emery is responsible for developing this new area of technology for the production of specialty chemicals. The team charged with carrying out this research is comprised of individuals with a wide diversity of backgrounds and interests. There currently are two openings for Senior Research positions on this team. These individuals will be expected to both initiate research projects and use their expertise to support the projects of the other team members. Previous research experience with commercial product development will be viewed positively.

**ORGANIC CHEMIST** (Dept. E-2)
The candidate must have a Ph.D. in Organic Chemistry with postdoctoral or industrial experience preferred. Experience in isolation, characterization, identification and synthesis of organic structures is necessary. This would require a working knowledge of a wide range of the following techniques: chromatography, spectroscopy and synthetic methods. Additional experience in natural products, biochemistry and fermentation technology would be considered positive. Good written and oral communication skills are necessary.

**MOLECULAR BIOLOGIST** (Dept. E-7)
The candidate must have a Ph.D. in Molecular Biology or other closely related field. Experience with the manipulation of fungal and yeast genetics is necessary and a wide range of technical skills is expected. Industrial experience, particularly with development of organisms for the production of bulk or specialty chemicals is preferred. Good written and oral communication skills are necessary.

**THE ANALYTICAL RESEARCH GROUP** is responsible for the development of state-of-the-art technology for the analysis of a wide range of organic chemical products, primarily oleochemicals. This group operates and maintains a facility with a comprehensive array of analytical instrumentation, including high-field NMR, high-resolution GC-MS and GC-FT/IR.

**SEPARATIONS SPECIALIST** (MS, Ph.D.) (Dept. E-11)
We are looking for a person with experience in the separation of complex organic mixtures (primarily oleochemical). HPLC, TLC, preparative scale chromatography, ion exchange and GPC skills are required. This is a "hands-on" job, so the individual should have good mechanical aptitude and experience with computerized data handling. Experience in industrial analytical method development would be a plus. Good written and oral communication skills are necessary.

**THE AROMA CHEMICALS GROUP** is involved in all aspects of delivering new aroma chemicals into the hands of perfumers. This includes the design, analysis, and commercialization of new unique materials to be used in the fragrance industry.

**LAB TECHNICIAN** (Dept. E-10)
The Aroma Chemicals Group at Emery has an immediate need for a Lab Technician. To qualify for this position, you should have an Associate's Degree in Chemistry or Chemical Technology plus two years of industrial chemical lab experience. It would be considered an asset, but not required, to have worked in a synthetic organic lab. Good written and oral communication skills are necessary.

Interested candidates should send resume including salary history and current requirements to: Placement Manager, Dept. (please include Dept. listed after appropriate job title).

HENKEL CORPORATION
Emery Group
11501 Northlake Drive
Cincinnati, OH 45249
An Equal Opportunity Employer
POSTDOCTORAL POSITIONS

DEPARTMENT OF BIOLOGY
McGILL UNIVERSITY
POSTDOCTORAL FELLOWSHIPS

Stipends commensurate with experience. Faculty members and their research interests are:

Howard Bussey: molecular biology of the yeast cell surface, targeting and function of processing enzymes in the secretory pathway, analysis of genes involved in cell wall glucan synthesis.
Ronald Chase and Gerald Pollack: morphological plasticity of identified neurons in invertebrates.
Rajinder Dhinda: molecular biology of freezing tolerance of plants.
Jacob Kuff, Robert Peters and Joseph Rasmussen: comparative limnology, aquatic ecology, contaminants, biogeochemistry of lakes and watersheds.
Ronald Poole: electrophysiology and molecular biology of ion channels in plant cell membranes.
Hugh Tyron: biosynthesis of flavonoids, cloning/sequencing their genes from flax genotypes.

Curriculum vitae and names of three references should be forwarded to the faculty member(s) one is interested in working with. Address: Department of Biology, McGill University, 1205 Dr. Penfield Avenue, Montreal, Quebec, Canada H3A 1B1.

POSTDOCTORAL POSITIONS

are available to study Ca\(^{2+}\) - and CAMP-mediated signal-transduction mechanisms involved in the regulation of ion transport in epithelial tissues. Successful applicants will join a multidisciplinary research program applying electrophysiological, biochemical, and molecular tech- niques to identify the regulatory reactions responsible for impaired chloride and sodium transport in cystic fibrosis. Individuals with an M.D. or Ph.D. in physiology, biochemistry, or a related discipline are invited to submit their curriculum vitae to: Dr. R. A. Fritsez, Department of Physiology and Biophysics, University of Alabama at Birmingham, Birmingham, AL 35294. UAB is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

available immediately for a recent Ph.D. in biochemistry with experience in molecular biology and immunological techniques. Projects involve studies on biochemical and functional interactions between the CAMP and Ca signaling systems in the iris smooth muscle. Salary is negotiable. Please send curriculum vitae and addresses of three references to: Dr. Ata Abdel-Latif, Department of Cell and Molecular Biology, Medical College of Georgia, Augusta, GA 30912-2100. Equal Opportunity Employer/Affirmative Action Program.

BIOSEOM (Group Limagrain) Molecular and Cellular Laboratory located on the University campus of Clermont-Ferrard (France). POSTDOCTORAL POSITION. Available immediately. Duration: 2 years. Application invited for a postdoctoral fellowship in plant molecular biology. Applicants must also have strong experience in plant tissue culture. Send curriculum vitae and references as soon as possible to: Groupe Limagrain, Departement du Personnel, BP 1, Chappes, 63720 ENNEZAT (France).

POSTDOCTORAL POSITION: Starting 1 July 1989, or later, for a recent Ph.D. or M.D. to participate in studies of the mechanism of insulin action in diabetes-prone humans. Experience in olsoglutamate probe design, CDNA library construction and screening, DNA sequencing, restriction mapping, and subcloning is essential. Send curriculum vitae and names, addresses, and telephone numbers of three references to: Dr. C. Bogorad, National Institutes of Health, 4212 North 16 Street, Room 541, Phoenix, AZ 85016.

POSTDOCTORAL POSITION available immediately to study cross-talk between second messenger systems and nucilaene acetylcholine receptor signal transduc- tion. Ph.D. in biochemistry or cell biology preferred. Send curriculum vitae to: Drs. Adrienne Gordon or Daria Moschly-Rosen, University of California, San Francisco General Hospital, Building 1, Room 101, San Francisco, CA 94110. Telephone: 415-476-3658. The University of California is an Equal Opportunity Employer.

POSTDOCTORAL POSITION: Applications are invited to join our current research program on studies of prion protein gene expression and structure. Interdisciplinary training in the expression of cloned prion protein (PrP) genes in eukaryotic cells and post-translational modifications of the prion protein (PrP) and the prion protein (PrP). Construction of recombinant PrP genes and their expression in cultured cells and transgenic rodents provide an unusual opportunity to merge molecular biology and neurodegenerative disease research. Structural studies on PrP CHO and glycolipids using NMR, GC/MS, LSIMS and high mass spec- trometry. Crystalization and x-ray structure of PrP are planned. Candidates with molecular biology, protein purification, genetics, physical biochemistry, organic chemistry, neurology, mass spectrometry, CHO or prion protein structure are encouraged to apply. Must be U.S. citizen or hold a permanent residence visa for NIH training stipends ($17,000-$30,000). Send curriculum vitae, copies of papers, and three letters of recommenda- tion to: Stanley Prusiner, University of California, San Francisco, San Francisco, CA 94143-0818. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

are available immediately to study the biochemistry of protein isoprenylation. This is a newly discovered post-translational modification that occurs in human cells. The candidate should have experience in the isolation of proteins and preferably some synthetic organic skills. Send curriculum vitae and two references to either: Dr. Michael H. Gelb or Dr. John A. Glomset, Department of Biochemistry, University of Washington, Seattle, WA 98195.

POSTDOCTORAL POSITIONS, REGULATORY TOXICOLOGY. Scientist to participate in the design and evaluation of studies examining the safety of exogenous materials, including pesticide residues and endogenous substances in foods. Applicants with training in toxicology and analytical chemistry should send a resume to: Dr. H. B. Chinn, National Food Processors Association, 6363 Clark Avenue, Dublin, CA 94568. Two-year appointment with possible extension.

POSTDOCTORAL POSITIONS—SCRAPE PRION PROTEIN GENE EXPRESSION AND STRUCTURE—Interdisciplinary training in the expression of cloned prion protein (PrP) genes in eukaryotic cells and post-translational modifications of the prion protein (PrP). Construction of recombinant PrP genes and their expression in cultured cells and transgenic rodents provide an unusual opportunity to merge molecular biology and neurodegenerative disease research. Structural studies on PrP CHO and glycolipids using NMR, GC/MS, LSIMS and high mass spec- trometry. Crystalization and x-ray structure of PrP are planned. Candidates with molecular biology, protein purification, genetics, physical biochemistry, organic chemistry, neurology, mass spectrometry, CHO or prion protein structure are encouraged to apply. Must be U.S. citizen or hold a permanent residence visa for NIH training stipends ($17,000-$30,000). Send curriculum vitae, copies of papers, and three letters of recommenda- tion to: Stanley Prusiner, University of California, San Francisco, San Francisco, CA 94143-0818. An Affirmative Action/Equal Opportunity Employer.

Reproductive Physiologist
Ph.D.

Merck Sharp & Dohme Research Laboratories is seeking a scientist in the Department of Safety Assessment with experience in teratology and/or reproductive physiology. Primary responsibilities include the design, conduct, and evaluation of data from studies to determine the effects of potential new therapeutic agents on pre- and postnatal development and fertility. The successful candidate will have a Ph.D. in development- al biology, embryology, reproductive physiology, endocrinology, or an equivalent. Required are at least two years relevant laboratory experience in experimental teratology or rodent reproductive endocrinology and a strong publication record. Excellent salary and benefits programs accompany this position at our West Point laboratories located 5 miles northwest of Philadelphia, PA. Please send resume, copy of transcripts, and three letters of reference with salary requirements to:

Assistant Personnel Manager, Ad #C18
Merck Sharp & Dohme Research Laboratories
West Point, PA 19486

EEO/AA/VH/Employer

Merck & Co., Inc.

Ottawa Civic Hospital

The Ottawa Civic Hospital is a 922-bed tertiary health care facility, dedicated to the provision of quality patient care in an atmosphere of academic and research excellence. The Loeb Institute for Medical Research is a research centre of the Ottawa Civic Hospital with integrated thematic research foci in reproductive biology, endocrinology and neurobiology. A position is now available for a:

IVF Scientist

The candidate is expected to conduct an independent peer-reviewed funded research program as well as to participate in and be responsible for the activities of an ongoing human IVF-ET program. The person should possess a doctorate degree and post-graduate training in biomedical/biophysical sciences. Experience in the area of embryology, gamete biology, immuno-ology, molecular biology, cryopreservation or with transgenic animals will be an asset. The candidate will be eligible for a faculty appointment in the Department of Obstetrics and Gy- nodocrineology and endocrinology and in an appropriate basic science department at the University of Ottawa. Rank and salary commensurate with qualifications.

Curriculum vitae and a letter of application should be sent by August 16, 1989 to: Dr. Ben Tsang, Director, Reproductive Biology Unit, Department of Obstetrics and Gynaecology, Loeb Institute for Medical Research, Ottawa Civic Hospital, 1055 Carling Avenue, Ottawa, Ontario, Canada K1Y 4E9. Fax # (613) 725-2902/Tel # (613) 761-4091
An Uncommon Opportunity

IMMUNOLOGIST

Marion Laboratories, Inc., one of the fastest growing pharmaceutical companies in the United States, headquartered in Kansas City, Missouri, has an opening for an experienced Immunologist within our Research Department in Kansas City.

This individual will be involved in the investigation of novel approaches for the regulation and treatment of autoimmune diseases such as rheumatoid arthritis and diabetes.

The successful candidate will hold a Ph.D. in Immunology or a related biological science with at least two years of research experience involving immunology. Knowledge of cytokines, especially the molecular and cellular mechanisms involved in their production and their interaction with target cells, as well as hands-on experience in developing and using in-vitro immunological assays and tissue culture techniques are required. Familiarity with experimental models of autoimmune diseases are also necessary. Strong interpersonal and communication skills are essential.

We offer an excellent total compensation and benefits package including bonus, stock options, profit sharing, comprehensive group health, dental and life insurance. Please send a detailed resume including salary history in confidence to: Marion Laboratories, Recruiting & Placement, Dept. CMT, P.O. Box 9627, Kansas City, MO 64134. Equal Opportunity Employer.

Marion Laboratories, Inc.

The Uncommon Company

PROJECT LEADER
PROTEIN/HAPten
CHEMISTRY

Agri-Diagnostics Associates (ADA), a leader in the development and marketing of new biotechnology products for agricultural and environmental diagnosticians, offers a new position of Project Leader - Protein/Hapten Chemistry.

The project leader will serve as lead scientist in a major start-up effort to develop and validate unique immunoadsays for small organic molecules such as pesticides and other environmental contaminants.

Requirements include a Ph.D. in biochemistry or organic chemistry, working knowledge of HPLC/TLC/GC-MS and spectrophotometric techniques, experience in small molecule immunochemistry and molecular and macromolecular derivitization and characterization.

ADA, a joint venture of DNA Plant Technology and Koppers Corporation, offers an excellent compensation and benefits package. We are an exciting and growing organization located 15 minutes from Center City, Philadelphia. Please send your resume and salary history to:

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Immunologist

We are looking for a mature, professional researcher, well-grounded in cellular and humeral immune responses, to assess potential therapeutic agents in animal models of autoimmune diseases and develop agents in vitro. The ideal candidate should possess 2-4 years’ postdoctoral research experience, either in an academic laboratory dealing with immune response in whole animals, or with an industrial laboratory dealing with the assessment of potential therapeutic agents in rodent models of rheumatoid arthritis and related autoimmune diseases.

Nova provides a competitive salary and benefits package, including relocation. For immediate consideration, please send your CV and letter of application to: Personnel RA/L8; Nova Pharmaceutical Corp., 6200 Freeport Centre, Baltimore, MD 21224-2796. We are an Equal Opportunity Employer offering a smoke-free work environment.
POSTDOCTORAL POSITION available immediately in molecular/radiation biology to study the mechanisms of cell survival and prevention of cell death in melanoma and breast tumor cells. Experience in molecular biology and in identification of growth factors highly desirable. Send curriculum vitae, copies of representative publications, and names of three references to: Prof. S. Lin, Dept. of Radiation Oncology, Medical College of Virginia, MCV Station Box 58, Richmond, VA 23298-9312. May 13, 1989

POSTDOCTORAL POSITION IN BIOCHEMICAL PHARMACOLOGY for recent Ph.D. interested in molecular modulation of antineoplastic drug activity. Research in the use of nude mice transport inhibitors to increase the selectivity of antmitables against human tumors growing in culture or in vivo. Scientific background in molecular biology research essential. Send curriculum vitae and the names of three references to Dr. A. Bennett, Department of Biochemistry, St. Jude Children’s Research Hospital, 332 North Lauderdale, P.O. Box 318, Memphis, TN 38101.

POSTDOCTORAL POSITIONS in molecular biology, Cornell University Medical Center, New York. To study the regulation of renin-angiotensin gene expression and study restriction fragment length polymorphism in hypertension. Recent M.D. or Ph.D., either with experience in techniques of molecular biology (molecular cloning, DNA sequencing, site specific mutagenesis, cell transfection) or willing to learn these techniques. Salary $20,000 to $30,000 per year. Send curriculum vitae and the names of three references to: Dr. Akshom Kamar, Cardiovascular Center, Cornell University Medical Center, 525 East 68 Street, New York, N.Y. 10021.

POSTDOCTORAL POSITIONS available immediately to study the molecular biology of autoregulation. Research projects involve genetic regulation, gene cloning, HPLC receptor antagonists and basic cellular immunology. Applicants should have a background in molecular biology and immunology. Send curriculum vitae and the names of three references to: Dr. Richard Carlson, M.D., Ph.D., Department of Internal Medicine, University of Utah, R450, Kregel I, Box 0531, Ann Arbor, MI 48109-0531.

POSTDOCTORAL ASSOCIATE position available immediately or possibly July 1989, for a person with background in biochemical, cellular and/or molecular biology to work on Na⁺K⁺-ATPase regulation in the cardiovascular systems. Experience in areas of Na⁺K⁺-ATPase is desirable but not essential. Starting date is flexible. Send curriculum vitae with names and telephone numbers of three references to: Dr. E. Songsong-Mize, Department of Pharmacology, The University of Tennessee, Memphis, The Health Science Center, Memphis, TN 38163. Telephone: 901-528-6000. The University of Tennessee is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE position available immediately for a person with a strong background in polymer physics. The candidate will be expected to initiate a program on research and development of solid polymer samples. Requires Ph.D. in polymer physics with a thesis in the general area of polymer physics. Experience in both experimental and theoretical studies of polymer systems is essential. Send curriculum vitae and three letters of recommendation to: Dr. David Bang, Box 168 UMHC, University of Minnesota, Minneapolis, MN 55455 by 31 July 1989, or call: 612-624-6982. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE position available immediately for a person with a strong background in polymer physics. The candidate will be expected to initiate a program on research and development of solid polymer samples. Requires Ph.D. in polymer physics with a thesis in the general area of polymer physics. Experience in both experimental and theoretical studies of polymer systems is essential. Send curriculum vitae and three letters of recommendation to: Dr. David Bang, Box 168 UMHC, University of Minnesota, Minneapolis, MN 55455 by 31 July 1989, or call: 612-624-6982. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE: Position available to investigate the uptake of organic cations by mitochondria and the resulting inhibition of electron transport. P.D. required and familiarity with mitochondrial preparations and physical and organic chemistry and/or biology desirable. Position open immediately. $18,000 per year. Send curriculum vitae and addresses of references to: Dr. B. C. Pressman, Department of Pharmacology R189, University of Miami School of Medicine, P.O. Box 016189, Miami, FL 33101. Deadline: 9 May 1989. Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE: Position available to perform studies on maternal drug abuse and neurochemical development of offspring. Contact: Dr. Theodore A. Slotkin, Department of Pediatrics, Duke University Medical Center, Durham, NC 27710. Duke University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE: Position available immediately for pharmacologists/chemists/Ph.D. to study the interaction of exercise and aging on AChE, lactate and pyruvate in blood and tissues. Background in enzyme kinetics and pharmacokinetics desired. Excellent compensation. Send curriculum vitae and letter of interest to: Dr. Satu M. Somani, Department of Pharmacology, Southern Illinois University School of Medicine, Box 19230, Springfield, IL 62711. Equal Opportunity Employer/Affirmative Action Employer.
BIOCHEMIST/MOLECULAR PHARMACOLOGIST:
Successful candidate will manage biochemical (enzyme or receptor binding) assays and data analysis for the evaluation and isolation of pharmacologically active natural products. Responsibilities will also include establishing HPLC with photodiode array, and other analytical and chromatographic methods to support profiling, scale-up, and evaluation of bioactive metabolites from crude mixtures.

This position requires a Ph.D. in Biochemistry, Molecular Pharmacology, or related field, with a strong analytical background, and at least two years postdoctoral experience. Basic microbiology background would be an asset. Experience in characterization of natural products, and interactions with enzyme or receptor targets would be preferred. (GV-68)

MICROBIAL PHYSIOLOGISTS:
Successful candidates will manage shake flask and fermentor culturing of diverse soil microorganisms for characterization and isolation of pharmacologically active secondary metabolites. Responsibilities will also include optimizing active metabolite production in computer controlled bench top fermentors, and establishing HPLC profiling methods, with photodiode array.

This position requires a Ph.D. in Microbiology, Biochemistry, or related field, with a strong background in soil microbiology, emphasizing microbial biosynthesis, metabolic regulation, and physiology, with at least two years postdoctoral research. Experience with batch and continuous culture systems and substrate utilization during secondary metabolism is essential. Familiarity with computerized fermentor systems, HPLC, and related analytical and chromatographic techniques is highly desired. (GV-69)

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RESEARCH ASSOCIATE

A full-time nontenure-track research associate position is available at the University of Minnesota. This position involves the characterization of protein immunotoxins. Required qualifications include a Ph.D. in chemistry, biochemistry, or microbiology with a minimum of 5 years of postdoctoral experience in biochemistry or a minimum of 3 years of postdoctoral experience in related fields. Preference for a candidate with previous experience in chemical protein purification, HPLC, and various assays of immunotoxin quality. Interested persons should send curriculum vitae, representative publications, a resume, and three letters of reference to: Dr. Fatih M. Uckun, Chairman of Immunotoxin Search Committee, Department of Therapeutic Radiology, Box 356 UMSC, 420 Delaware Street SE, Minneapolis, MN 55455. The Research Institute on Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

RESEARCH ASSOCIATE: Conduct research on the disposition and metabolic fate (in vitro and in vivo) of xenobiotics in fish and rats. Ph.D. in biochemical toxicology, pharmacology, or related field with experience in pharmacokinetics and metabolism. Salary: $35,500 per year. Send resume and three references to: Dr. Robert A. Dye, Department of Pharmacology, University of Rochester, School of Medicine and Dentistry, P.O. Box 612, Rochester, NY 14627.

RESEARCH ASSOCIATE with graduate degree or experience. RESEARCH ASSISTANT with B.S. or A.B. and knowledge of cell culture techniques, blotting and other molecular biology procedures, and/or protein chemistry. Ongoing research program involves the use of transgenic mice as models for human disease. Salary: $17,000 per year. Send resume and three references to: Dr. Howard M. Willard, Department of Molecular Genetics, University of California, Berkeley, CA 94720.

RESEARCH ASSOCIATE, BRYOPHYTE PALEOECOLOGY. Reconstruction of past land history using fossilized bryophytes. Ph.D. in botany or ecology (specialty bryophytes). Three years of experience in paleoecology and bryophyte ecology. Five publications in paleoecology and/or paleobotany. Salary: $30,000 per year. Send names of three referees and resume to: Dr. John E. Williams, Department of Botany, University of California, Berkeley, CA 94720.

RESEARCH ASSOCIATE, BRYOPHYTE PALEOECOLOGY. Reconstruction of past land history using fossilized bryophytes. Qualifications: Ph.D. in botany or ecology (specialty bryophytes). Three years of experience in paleoecology and bryophyte ecology. Five publications in paleoecology and/or paleobotany. Salary: $30,000 per year. Send names of three referees and resume to: Dr. John E. Williams, Department of Botany, University of California, Berkeley, CA 94720.

RESEARCH CHEMIST: Perform research in the design and synthesis of potential neuroprotective agents. Prepare synthetic target compounds with appropriate stereochemical features. Experience in organic synthesis and chromatographic techniques is required. Fourteen hours per week, $32,500 per year. Send resume to: Job Order #309431, Job Service Technical Unit, Connecticut Department of Labor, 1450 Airport Road, New Haven, CT 06510.

RESEARCH PSYCHIATRIST. Position is available for conducting endocrine research in eating/affectional disorders. Previous clinical training in the areas of endocrinology/psychiatry/eating disorders is essential. Candidates must have record of endocrine research, with publications in peer-reviewed journals; should be senior (first) author at least one original clinical or scientific research article by 01/01/90. Salary range $40,000 to $45,000, commensurate with experience. Send curriculum vitae, publication list, resume, and names of three references to: Dr. Philip W. Gold, M.D., Chief, Clinical Neuroendocrinology Branch, National Institute of Mental Health, Room 11-150 Clinical Center, Bldg. #10, Rockville Pike, Bethesda, MD 20892. An Equal Opportunity Employer. MF/F/H/V.

RESEARCH SCIENTIST to perform, direct, and analyze experiments utilizing the application of computational models and advanced spectroscopic techniques to determine and predict in vivo, in vitro or ex vivo interactions of novel pharmaceutical agents. Experience in clinical pharmacology and biochemistry, cell biology, and molecular biology is essential. The candidate must have a Ph.D. in chemistry. Salary: $30,000 per year. Send resume to: Linda Stewart, Merck Research Laboratories, 640 Allendale Road, King of Prussia, PA 19406. An Equal Opportunity Employer. MF/H/V.

New multidisciplinary group in developmental biology. PhD or MD degree required. Research in receptor chemistry, synthesis of small molecules. Conduct cell biology and biochemistry to elucidate the mechanisms underlying the activity of these molecules. Send resume to: Dr. Robert L. Hill, Department of Pharmacology, University of Pennsylvania, Philadelphia, PA 19104.

SYMPOSIUM

The National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health (NIH) will be sponsoring a symposium entitled "Environmental Health Sciences Research: A New Era of Scientific Investigation." The symposium will be held on October 11-13, 1989, in Washington, D.C. The symposium is designed to bring together scientists from a variety of disciplines and to stimulate new approaches to environmental health sciences research. The symposium will provide a forum for the presentation of the latest research findings in environmental health sciences, as well as a platform for the exchange of ideas and the development of new research directions. The symposium will cover a wide range of topics, including environmental toxicology, occupational health, and environmental epidemiology. Attendees will have the opportunity to participate in panel discussions, to interact with leading experts in the field, and to engage in networking activities. The symposium will be held in the NIEHS Conference Center, located in the heart of the National Mall, within walking distance of the White House, the Capitol, and the National Mall. For more information, please contact: Dr. Marshall Anderson or Dr. Carole Barret, NIEHS, P.O. Box 12233, Research Triangle Park, NC 27709.

POSITIONS OPEN

SENIOR RESEARCH BIOCHEMIST—Development of new synthetic degradable protein, receptor, and related receptor probes, including synthesis and purification of optical active precursors, for use in in vitro receptor studies and PET and SPECT imaging studies in humans and experimental animals. Conduct multi-step synthesis of peptides and other analogs, and characterize the binding affinity of receptor and receptor probes. Design, implement, and maintain automated and remotely operated equipment for radiotracer synthesis. Required: Ph.D. degree in organic chemistry and 1 year of experience in the synthesis of high specific activity radiotracers and precursors to postdoctoral or graduate level. Hours: 8:30 a.m. to 5:00 p.m.; 40-hour week; salary: $3,633 per month.


TRAINING PROGRAM

Position available for postdoctoral or graduate research training in the molecular biology of hemopoietics. Program emphasizes identification, cloning, and characterization of genes encoding parasite antigens for preparation of subunit vaccines. Send curriculum vitae and addresses, and telephone numbers of three current references to: Dr. John B. Dame, Department of Infectious Diseases, College of Veterinary Medicine, Iowa State University, Ames, IA 50011.

FELLOWSHIPS

Institute for Biophysical Research on Macromolecular Assemblies (IBRMA), of The Johns Hopkins University, offers prestigious POSTDOCTORAL FELLOWSHIPS to work with any of seventeen preceptors on a variety of structural and biophysical projects. Write for detailed brochure. IBRMA, The Johns Hopkins University, 102 Macaulay Hall, 3400 North Charles Street, Baltimore, MD 21218. Call phone 1:00 p.m. to 3:00 p.m. weekdays: 301-338-5197.

Tourette Syndrome Association, Inc.

ANNOUNCES . . .

RESEARCH GRANTS AND FELLOWSHIPS

Basic Neurosciences $ 5,000 to $25,000
Clinical Studies $ 5,000 to $25,000
Postdoctoral Fellowship $15,000 to $20,000

Write to: Tourette Syndrome Association, 42-405 Bell Boulevard, Bayside, NY 11361.

Grant review cycle: Letter of intent due: 15 July 1989
Final proposal due: 15 October 1989
Please Note: The Tourette Syndrome Association, Inc. does not provide any overhead or indirect costs.

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This year Glaxo launched a $10 million Cardiovascular Discovery Grants Program. The Discovery Program is designed to forge research partnerships with scientists whose ideas may point the way to discovery of innovative cardiovascular therapeutic agents. We are pleased to announce the Advisory Board's recommendations for the 1989 funding recipients.

Dr. Joseph A. Beavo
University of Washington

Dr. David E. Clapham and Dr. Ernest Peralta
Mayo Clinic Harvard University

Dr. Wolfgang H. Dillmann
University of California, San Diego Medical Center

Dr. William John Elliott
University of Chicago

Dr. Fredric S. Fay and Dr. Mitsuo Ikebe
University of Massachusetts Medical School Case-Western Reserve University

Dr. Jackie D. Corbin
Vanderbilt University School of Medicine

Dr. Edwin K. Jackson
Vanderbilt University School of Medicine

Dr. Michael Kahn and Dr. Michael E. Johnson
University of Illinois at Chicago

Dr. Alan J. Kinniburgh
Roswell Park Memorial Institute

Dr. Joe M. McCord
University of South Alabama College of Medicine

Dr. Anthony R. Means
Baylor College of Medicine

Dr. Walter L. Miller
University of California at San Francisco

Dr. L. Bruce Pearce
Boston University School of Medicine

Dr. Bruce R. Pitt and Dr. Paul Davies
University of Pittsburgh School of Medicine

Dr. David J. Riley
UMDNJ - Robert Wood Johnson Medical School

Dr. Michael R. Rosen
Columbia University College of Physicians and Surgeons

Dr. John Sukko, Dr. Luc Ruest, and Dr. Koert Gerzon
University of Nevada School of Medicine University of Sherbrooke Indiana University School of Medicine

Dr. Ian L. Taylor
Duke University Medical Center

Dr. Carl L. Tipton
Iowa State University

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