ASSISTANT PROFESSOR—INSECT GENETICS. Available October 1987. A 12-month, tenure-track teaching and research position. Research responsibilities include: participation in undergraduate and graduate research programs, and undergraduate teaching. Applicants must have a Ph.D. in molecular biology or related discipline. Teaching responsibilities include: courses in insect biochemistry, invertebrate physiology, and invertebrate ecology. Applicants should send a letter of application, curriculum vitae, and three letters of recommendation to: Dr. G. W. Davis, Chair, Department of Biology, University of Wisconsin, Madison, WI 53706.

ASSISTANT PROFESSOR OF NEUROPATHOLOGY. Tenure-track position available. Qualifications include: research in the area of the genetic basis of motor neuron diseases, and the application of genetic principles and techniques for the management of inherited disorders. Applicants should have a Ph.D. in molecular biology. Teaching responsibilities will include undergraduate and graduate laboratory courses, and participation in the development of new courses in molecular biology. Applicants should send a letter of application, curriculum vitae, and three letters of recommendation to: Dr. J. A. Smith, Chair, Department of Pathology, Vanderbilt University, Nashville, TN 37232.

ASSISTANT/ASSOCIATE PROFESSOR IN PHYSIOLOGY. Two tenure-track positions are available for the next academic year (Fall 1988). The Department of Physiology at the University of North Carolina at Chapel Hill is interested in strengthening its research and teaching programs in the areas of cellular and molecular biology. The successful applicant will be expected to initiate an active and productive research program in an area of interest in physiology, and to participate in the development of teaching and research programs in the department. Applications are invited from distinguished and younger investigators in all areas of physiology. Applicants should send a letter of application, curriculum vitae, and three letters of recommendation to: Dr. J. A. Cooper, Chair, Department of Physiology, University of North Carolina at Chapel Hill, CB 7330, Chapel Hill, NC 27514.

ASSOCIATE IN PHYSIOLOGY. The Department of Physiology and Biophysics invites applications for faculty positions at the associate level (tenure-track). Applicants are expected to have an M.D. or Ph.D. in the area of physiology and to have a background in research in an area of physiology that is of interest to the Department. The Department of Physiology and Biophysics is interested in recruiting individuals with an active research program in an area of physiology that is of interest to the Department. The successful applicant will be expected to initiate an active and productive research program in an area of interest in physiology, and to participate in the development of teaching and research programs in the department. Applications are invited from distinguished and younger investigators in all areas of physiology. Applicants should send a letter of application, curriculum vitae, and three letters of recommendation to: Dr. J. A. Cooper, Chair, Department of Physiology, University of North Carolina at Chapel Hill, CB 7330, Chapel Hill, NC 27514.

BIOLGY LABORATORY COORDINATOR. Applications are invited for a position of Laboratory Coordinator in the Biology Department of Rice University. The position is available for the 1987/1988 academic year. The successful applicant will be expected to have a Ph.D. in molecular biology or related discipline and to have a background in research in an area of biology that is of interest to the Department of Biology. The successful applicant will be expected to initiate an active and productive research program in an area of biology that is of interest to the Department of Biology, and to participate in the development of teaching and research programs in the department. Applications are invited from distinguished and younger investigators in all areas of biology. Applicants should send a letter of application, curriculum vitae, and three letters of recommendation to: Dr. J. A. Cooper, Chair, Department of Biology, University of North Carolina at Chapel Hill, CB 7330, Chapel Hill, NC 27514.

ASSISTANT PROFESSOR APPLIED IMMUNOLOGY. CORRECTION: Please note that the deadline for the ad which appeared in the 3 April 1987 issue should have read "Review of applications will begin on 24 April 1987. Send curriculum vitae, a description of teaching and research activities, and the names and addresses of three references to: Dr. J. A. Smith, Chair, Department of Biology, University of Wisconsin, Madison, WI 53706. An Equal Opportunity/Affirmative Action Employer.

DIRECTOR: COMPUTER CORE/IMAGE ANALYSIS FACILITY. Internationally recognized brain research laboratory at a major medical center seeks a scientist with a background in quantitative image analysis and computer graphics. This individual should have experience with UNIX systems and a desire to work in a multidisciplinary environment. Ph.D. or M.D. in computer science is desirable. A suitable candidate might otherwise be a neuroscientist whose background has shifted to computer science. The successful applicant should be able to help coordinate and plan the future direction of the research activities of the facility, select system hardware and software for purchase, and supervise (if hired) technical staff and interact with other scientists. Position is a new position at an academic institution and a college with an international reputation dedicated to teaching and research in areas of biology related to biotechnology, biochemistry, and molecular biology. Qualification: Ph.D. or M.D. in computer science is desirable. The successful candidate will be expected to have a background in research in a related field and to have a background in research in an area of biology that is of interest to the Department of Biology. The successful applicant will be expected to initiate an active and productive research program in an area of biology that is of interest to the Department of Biology, and to participate in the development of teaching and research programs in the department. Applications are invited from distinguished and younger investigators in all areas of biology. Applicants should send a letter of application, curriculum vitae, and three letters of recommendation to: Dr. J. A. Cooper, Chair, Department of Biology, University of North Carolina at Chapel Hill, CB 7330, Chapel Hill, NC 27514.
Plant Molecular Biologist

American Cyanamid Company’s Agricultural Research Division has an opening in its expanding Plant Biotechnology program for a plant molecular biologist. We are seeking an individual with proven skills in gene isolation from higher plants, in the use of plant transformation systems, and/or in the analysis of gene expression in higher plants. The ideal candidate will have a Ph.D. in molecular biology or a related discipline and 2–5 years of relevant postdoctoral research.

American Cyanamid offers a competitive compensation and benefits package. For prompt and confidential consideration, forward your resume, an outline of research interests, career goals and the names and addresses of three references to the Employment Office.

Cyanamid

American Cyanamid Company
Agricultural Research Division
P.O. Box 400
Princeton, N.J. 08540

An Equal Opportunity Employer M/F/H

SCIENTISTS

B.S. – M.S. – POST DOC

Merck Sharp & Dohme Research Laboratories is currently offering two unique opportunities for scientists to join our expanding Department of Biological Research.

- **B.S./M.S. Position**—The selected candidate will carry out a variety of assays involving blood coagulation factors as well as platelet aggregation and adhesion. Responsibilities will also include maintaining a cell/tissue culture facility. A B.S. or M.S. in Biology, Biochemistry or the equivalent is required. Experience in clinical coagulation and cell culturing would be preferred.

- **Post-Doctoral Position**—The selected candidate will study various aspects of proteins containing beta-hydroxyaspartic acid and beta-hydroxyasparagine. These would include protein chemistry, protein-protein and protein-ligand–receptor binding, cell culture, and enzymological approaches.

Requirements include a Ph.D. in Biological Chemistry or the equivalent and experience with several or all of the above disciplines. Excellent salary and benefits programs accompany these positions at our modern research facilities located 25 miles northwest of Philadelphia.

Please send resume with salary requirements to: Manager, Research Personnel, W42-2

Merck Sharp & Dohme Research Laboratories
West Point, PA 19486

EEO/A/AA/Employer

**Sungene**

is expanding

Sungene Technologies Corporation, an established plant biotechnology company in the San Francisco Bay Area, is expanding its staff of Scientists to conduct research in the areas of:

- **Plant Tissue Culture** involving protoplast isolation, transformation, callus induction, plantlet regeneration and in-vitro selection in agronomic crops.

- **Plant Lipid and Protein Biochemistry** using enzymological and analytical approaches as well as collaboration with cell biologist and plant breeding station scientist.

- **Molecular Biology** including nucleic acid manipulation involving the identification, isolation, expression and regulation of genes in plant systems.

Ideal candidates will have an advanced degree, 3+ years experience and an interest in working in an organization with a strong technical and commercial orientation.

Sungene Technologies offers excellent salary, benefits, relocation and stock option plans. Please send resume with references to:

John Kelley
Sungene Technologies Corporation
3330 Hillview Avenue
Palo Alto, CA 94304

**Stratagene**

Cloning Systems

Stratagene is an innovator in research products for molecular biology. The company is now expanding its focus and plans to utilize its proprietary technologies in areas related to gene expression, gene isolation in transgenic animals, and genomic mapping and sequencing.

**Research Associates**

Applicants should have a B.S. or M.S. in Molecular Biology or Biochemistry and 2 or more years of relevant laboratory experience. Experience with nucleic acid hybridization, gene cloning and subcloning, or DNA sequencing is expected. Candidates should have the ability to function independently within the laboratory setting. Good interpersonal skills are required.

Stratagene provides a unique working environment. The company is growing rapidly and encourages group involvement in major decisions and policy. A generous stock option plan is available in addition to standard fringe benefits. Stratagene is located within an important center for biotechnology. It is one mile from the University of California and several other major research institutes. Recreational opportunities are plentiful, being walking distance from the beach. Salaries are excellent.

**Postdoctoral Positions**

Applicants should have a doctorate degree in Molecular Biology or Biochemistry and significant laboratory experience with a broad range of technologies, including nucleic acid hybridization, gene cloning and subcloning, DNA sequencing. Candidates should demonstrate their productivity and ability to function independently within the laboratory setting. Good writing and interpersonal skills are required. Staff Scientists are expected to continue publishing and to move to the forefront of their area of focus.

Stratagene encourages scientists with an entrepreneurial spirit. Creativity and productivity are acknowledged and rewarded. The opportunity for advancement within the company is exceptional.

Please send resume and three references to:

Ms. Candis Carter
Administrative Coordinator
Stratagene Cloning Systems
11099 North Torrey Pines Road
La Jolla, CA 92037

**Merck & Co., Inc.**
CURATOR OF FISH

Requires B.A./B.S. in marine biology, biology, or zoology, with minimum of 3 years of experience as an aquarist. Must have good organizational and supervisory/administrative experience preferred. Will assist in the design and planning of major new public aquarium. Send letter, résumé, and three references to:

Kenneth Goodgal
President, Project Development
Zoological Society of Philadelphia
3400exampleInputEmail(38,30,130,130) Street, Center City
Philadelphia, PA 19104

DENDROCHRONOLOGIST: Applications are invited for an entry-level scientist to join a new dendrochronology laboratory at the Mountain Research Station, Institute of Arctic and Alpine Research (IN-STAAR), University of Colorado. The laboratory is a component of INSTAAR’s new Center for Geochronological Research in Boulder and a large equipment budget has been allocated by the University. The dendrochronologist will study tree rings in relation to dating, ecological problems, and/or climate reconstruction and will collaborate with scientists in related disciplines. The successful candidate will participate in the development of the laboratory, initiate externally funded research programs, teach a summer course, and assist in Station management located 2000 miles in the Front Range of the Rocky Mountains and is one of the nation’s outstanding field research and teaching facilities. The appointment will be 75% time over 12 months, renewable. Send resume and references to: Mark Noble, Mountain Research Station, University of Colorado, Boulder, CO 80306.

The University of Colorado has a strong commitment to the principle of diversity and that there is interest in receiving applications from a broad spectrum of people, including women, ethnic minorities, and disabled individuals.

DIRECTOR OF MOLECULAR VIROLOGY

The James N. Gamble Institute of Medical Research is seeking a senior investigator as Director of its Division of Molecular Virology. This individual is expected to be internationally recognized, and to have maintained consistent research funding. The job will entail the management of an active Division, recruitment of new independent investigators, interaction and collaboration with investigators in other Divisions of the Institute, and continuation and expansion of an active program in molecular virology. A joint appointment at the University of Cincinnati will be encouraged.

The Gamble Institute is a non-profit, independent research facility affiliated with the Christ Hospital. It is composed of three Divisions: Molecular Virology, Clinical Virology and Immunology. The goal of the Institute is to combine expertise in basic research in the areas of virology and immunology, with directed clinical applications. Interested candidates should send curriculum vitae and names of three references to:

Richard L. Ward, Ph.D.
Chairman of Search Committee
Jamestown Institute of Medical Research
2141 Auburn Avenue
Cincinnati, OH 45219
Telephone: 513-369-2582
An Equal Opportunity/Affirmative Action Employer.

ECOLOGY AND EVOLUTION

The Ecology and Evolution Group seeks two visiting ASSISTANT PROFESSORS (1987 to 1988 academic year). Applicants should provide evidence of recent research (one page per candidate), have completed 75% of the research, and must be prepared to present their work. Applications should consist of a curriculum vitae, research and teaching interests, and three letters of recommendation. Send application to:

Sidney B. Simpson, Jr.
Department of Zoology
University of Illinois at Chicago
Box 4348, Chicago, IL 60680 by 1 August 1987. Applications will be considered on availability of funds. The University of Illinois at Chicago is an Equal Opportunity/Affirmative Action Employer.

Ecosystem Modeler, School of Fisheries
University of Washington

The Center for Quantitative Science in Fisheries, Forestry and Wildlife, an inter-college unit of the School of Fisheries and the College of Forest Resources, invites applications for a tenure-track teaching and research appointment at the associate, assistant, or full professor level, beginning 1 January 1988. This position is a 9-month appointment in the School of Fisheries. The applicant should have a Ph.D. degree in ecology or related disciplines and the ability to develop and teach courses in mathematical modeling of aquatic and/or terrestrial natural resource systems, demonstrated by a Ph.D. degree or equivalent, and published work. The position is expected to be available for the 1987-88 academic year. Send curriculum vitae, research and teaching interests, and three letters of recommendation to:

Richard L. Mack, Chair
Department of Fisheries
University of Washington
1200 greenhouse Way
Seattle, WA 98195
206-543-1115
An Equal Opportunity/Affirmative Action Employer.

EVOLUTIONARY BIOLOGY AND ECOLOGY

Senior Level Position

The Department of Biology at the University of Rochester invites applications for a senior level faculty position in evolutionary biology. Applicants should be active in research in one of the following: evolutionary and ecological genetics, molecular evolution, population genetics, animal behavior and coevolution. Established scientists with outstanding reputations in any of the above fields are strongly encouraged to apply.

Please send curriculum vitae, selected reprints or manuscripts, a statement of research interests, and a list of three references to:

Dr. John Jaenike, Evolutionary Biology Search Committee, Department of Biology
University of Rochester
Rochester, NY 14627
Deadline for receipt of applications is 1 December 1987.
The University of Rochester is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION

Division of Oncology

The Division of Oncology, Thomas Jefferson University, has a position at the assistant or associate professor level available for fall 1987. Candidates should have a Ph.D. or an M.D. with Board eligibility in medical oncology, with a research program in cancer pharmacology, immunology, or cell biology. Send curriculum vitae and a brief statement of current research interests to:

Dr. Michael J. Mastrangelo, Division of Medical Oncology
Thomas Jefferson University
1015 Walnut Street
Philadelphia, PA 19107
Equal Opportunity Employer.

FACULTY POSITION

Purdue University

IMMUNOPHARMACOLOGIST: Tenure-track assistant or associate professor. The successful candidate will have a doctoral degree and a minimum of 2 years of postdoctoral research training. Candidates must show evidence of innovative research productivity and ability to obtain significant funding for their projects. Research interests should be in an area of immunopharmacology that would complement current research programs in the laboratory and other areas of pharmacology. The position is expected to be available for the fall of 1987. Send curriculum vitae and the names and telephone numbers of three references to:

Dr. Robert L. Goodgal, Chair
Purdue University
W. Lafayette, IN 47907
An Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF PENNSYLVANIA

School of Medicine

FACULTY POSITION IN MICROBIOLOGY

PROKARYOTIC MOLECULAR BIOLOGY

Applications are invited for a tenure-track position at the level of assistant professor, beginning July 1988. Applicants should have established research interest in molecular biology, specializing in prokaryotic cell biolog- ical processes. The research should include potential to provide teaching opportunity. Send curriculum vitae, research and teaching interests, and names of three references to:

Dr. H. Goodgal, Search Committee, Department of Microbiology
School of Medicine, University of Pennsylvania
Philadelphia, PA 19104-4076.
Equal Opportunity/Affirmative Action Employer.

Applications are encouraged to apply.

COLLEGE OF MEDICINE AND MEDICAL SCIENCES

King Faisal University
Dammam, Saudi Arabia

Applications are invited from qualified and experienced candidates for faculty positions (professors, associate professors, and assistant professors) in the department of biochemistry, college of medicine and medical sciences.

Candidates must hold the Ph.D. degree in biochemistry, and have proven teaching experience in their field of at least 5 years. Holders of similar academic posts are particularly encouraged to apply. Terms of employment are fixed at 3 years. Salary is commensurate with qualifications and experience. A competitive package is offered.

Those interested should apply immediately by forwarding their complete curricula vitae to:

Dr. Mohmed Hisam Al-Sibai
Dean, College of Medicine and Medical Sciences
King Faisal University
P.O. Box 2114
Dammam 31451, Saudi Arabia

GEOTHERMAL OPERATIONS MANAGER/CITY ENGINEER

City of Calistoga, California (Napa Valley). Education: College degree in engineering with training in both geothermal and mechanical engineering. Training in geothermal engineering desirable. City of Calistoga is a small (7500) population, geothermal heating and cooling system management and operation. Salary: $45,000 annually plus generous benefit package. Experience: Equivalent of 10 years of experience in geothermal and/or administration of geothermal heating systems. Minimum of 5 years of experience in geothermal system management. Send letter of interest, curriculum vitae, and references to:

Lester Cavagnaro, Administrator
2222 Washington Street, Calistoga, CA 94515

Applications must be postmarked 1 August 1987 or earlier. The City of Calistoga is an Equal Opportunity Employer.

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SCIENCE, VOL. 237
Associate Directors

Cellular and Molecular Biology

Merck & Dohme Research Laboratories' expanding long-term commitment to cellular and molecular biology has created the opportunity for positions of strong leadership. We seek talented and experienced scientists to accept the responsibilities for leading groups of 7 to 12 molecular biologists within projects in both research and as product development. These multidisciplinary programs will be collaborative efforts which utilize techniques in molecular and cellular biology for the identification, isolation and analysis of proteins of therapeutic, pharmacologic, or process development interest as well as the control of expression of such proteins.

The successful candidates possess broad experience in a range of areas which include: regulation of gene expression, cDNA cloning and expression in recombinant microbial and eukaryotic hosts, viral vectors and vaccines, structure/function studies of proteins, scale-up of recombinant mammalian and microbial cells, and protein analytical and purification techniques. Demonstrated research independence, extensive supervisory experience, and an excellent publication record in molecular biology are all required. Strong communication and leadership skills, a desire to work as part of a multidisciplinary team, and the ability to develop the talents of other scientists are very important. Industrial experience is a plus.

These positions will provide an outstanding opportunity to implement novel research projects with the potential for significant impact in several areas of human health. Collaborations with other research departments will offer the opportunity for high visibility and career growth. We encourage broad interactions with the scientific community, both large through collaborations, publications, and presentations at major scientific conferences. Additionally, successful leaders would be expected to be able to expand their future responsibilities in these dynamic positions.

Excellent salary, broad benefits, and generous relocation entitlements accompany these positions in our modern and spacious laboratories at two major research sites in Rahway, New Jersey and West Point, Pennsylvania. In confidence, please send your resume, four professional references whom we may contact, and salary history to: Mr. Jacques P. Kuem, Research Personnel, Merck SHARP & DOHME RESEARCH LABORATORIES, West Point, PA 19486. EEO/AA/VH/Employer.

VETERINARY PATHOLOGIST

Opportunity available for individual with a Veterinary degree (D.V.M.), well-trained in anatomic pathology (Board Certified or Board eligible desired), to contribute to the experimental pathology efforts of the Lovelace Inhalation Toxicology Research Institute.

The Institute has a strong multi-disciplinary team research effort involving scientists in physical, biophysical, and medically-related fields including D.V.M. and M.D. pathologists. The Institute, which is heavily oriented to comparative animal experimentation, is addressing significant problems concerning the effects of airborne toxic materials on man and his environment.

The successful candidate will be expected to design and implement both independent and collaborative research on inhaled toxicants, and to conduct histopathologic examination of a wide range of species and organ systems with primary emphasis on evaluation of respiratory and bone diseases. Salary and starting date negotiable.

Submit resume to: Personnel Unit, Lovelace Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, NM 87118 or call (505) 844-9431. An Equal Opportunity Employer M/F.

Associate Directors

Merck & Co., Inc.
The Laboratory of Neurosciences, National Institute on Aging, National Institutes of Health, invites applications for a fellowship position to study the pharmacokinetics and cerebral metabolism of central nervous system agents. Research will involve: (1) methods development for the quantification of drugs and metabolites in plasma and tissue, (2) relating pharmaco kinetic data to brain imaging results, and (3) molecular modification of drugs to enhance their brain penetration. The position is that of a Fellow with a salary range of $17,000 to $47,788 per annum commensurate with qualifications, and is located in Bethesda, Maryland.

Experience in high performance liquid chromatography, gas chromatography and mass spectrometry is desirable.

Applications are invited from individuals having a Ph.D. in Pharmacology or a Chemistry discipline. Interested candidates should submit their Curriculum Vitae to Stanley I. Rapport, M.D., Chief, Laboratory of Neurosciences, National Institute on Aging, Building 10, Room 6C 103, 9000 Rockville Pike, National Institutes of Health, Bethesda, Maryland, 20892, USA.

An Equal Opportunity Employer

DIRECTOR
Japanese Affairs

The NATIONAL RESEARCH COUNCIL is seeking candidates for a newly established position, Director, Japan Programs. Will establish and direct a new Office of International Affairs unit, designed to promote closer working relationships between the U.S. and Japan in science and technology. Responsibilities will include (1) identification of various means to promote symmetrical access by American scientists and engineers to the Japanese R&D systems (i.e. academic, industrial, and government laboratories); (2) development of workshops, conferences, and studies to promote greater understanding of how each society pursues scientific and technological objectives. Position requires Ph.D. or equivalent in Japanese studies or in social sciences or technical discipline, with 6 or more years of research and administrative experience dealing with U.S.-Japan relations in science and technology, and preferably recent experience in Japan. Excellent oral and written skills in English, and speaking and reading fluency in Japanese are required. Successful fund raising experience highly desirable. We offer a highly competitive salary commensurate with experience, paid relocation to Washington, D.C. area, plus an exceptional benefits package. Please forward confidential résumé to NRC, Position #220.1675, Personnel Office, 2101 Constitution Ave., N.W., Washington, D.C. 20418. An Equal Opportunity Employer.
Applications are invited for appointment as PROFESSOR and DIRECTOR of the newly established NATIONAL CENTRE FOR EPIDEMIOLOGY AND POPULATION HEALTH. The appointment will be for a period of seven years, but it may be extended. The National Centre is funded by the Commonwealth Government. It will carry out appropriate research of the highest academic standards in the fields of epidemiology, population-based research in clinical medicine and biomedical science, statistics, sociology, health economics and population studies. It will provide a supervised experience in research leading to M.Sc. and Ph.D. degrees in the above fields, so as to generate leaders in epidemiology and population health. The appointee will have high academic standing and a substantial commitment as a scholar in one or more of the fields related to epidemiology and population studies, and will have proven leadership and administrative capabilities. The appointee’s main task will be to develop the Centre, to provide leadership in research, to interact with other relevant research groups on the campus and with related government agencies. When fully operational, the Centre is expected to have up to 15 academic staff and 10-15 full-time graduate students. The salary will be that of a professor in the Institute of Advanced Studies, currently $462,523 p.a. plus a responsibility leading of, currently, $39057 p.a. A clinical leading for a medically qualified appointee is payable as follows: $10,433 p.a. for a person having responsibilities for patient care and $45,223 p.a. for a person not having responsibility for patient care. An entertainment allowance of $1545 p.a. will also be payable. Applications should be submitted in duplicate to the Registrar, The Australian National University, SP0 Box 4, Canberra ACT 2601, Australia quoting reference number EP11 and including curriculum vitae, list of publications and names of at least three referees. The University reserves the right not to make an appointment or to make an appointment by invitation at any time. Further information is available from the Registrar. Applications should be lodged by 91 July 1987.
THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

**ImClone Systems Incorporated**

ImClone Systems Incorporated, an innovative, rapidly growing biotechnology company located in New York City, is seeking highly motivated individuals for vaccine development and generation of monoclonal antibodies.

Positions are available at the doctoral and research associate levels for individuals with demonstrated skills in the generation of B and T cell hybridomas. Relevant industrial experience would be an advantage.

ImClone offers excellent salary and benefits, and a challenging, multi-disciplinary environment for scientists who can assume both individual and team responsibilities.

Send CV to: John Landes, ImClone Systems Incorporated, 180 Varick St., New York, New York 10014.

ImClone Systems Incorporated

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**EniChem Americas Inc.**

EniChem, part of ENI (Ente Nazionale Idrocarburi), is establishing a Plant Biotechnology Group of approximately 50 scientists in the Princeton, New Jersey area. The group intends to apply an integrated approach to the improvement of crops for U.S. and international markets.

We are interested in Ph.D., M.S. or B.S. level candidates who can apply technical expertise in Molecular Biology, Metabolic Biochemistry or Cell Biology to the project areas of nitrogen assimilation/utilization or crop protection. We have immediate openings for candidates who have experience with monocot protoplasts, transformation technology and/or the expression of genes in plants.

Send Curriculum Vitae and cover letter to:

Director of Personnel
ENICHEM AMERICAS INC.
1221 Avenue of the Americas
New York, N.Y. 10020

An Equal Opportunity Employer
NEUROPEPTIDES/BLOOD-BRAIN BARRIER

POSTDOCTORAL POSITION available immediately to study peptide delivery through the blood-brain barrier using novel peptide drug delivery systems. Biochemistry, pharmacology, or physiology experience required. Send curriculum vitae and letters of reference to: Dr. William P. Mardridge, Department of Medicine, University of California, Los Angeles (UCLA), School of Medicine, Los Angeles, CA 90024.

ORGANIC, MEDICINAL CHEMIST

Dynamac Corporation is an environmental research and consulting firm with immediate staffing requirements for an organic, medicinal chemist.

Applicants should have a Ph.D. degree, a strong background in natural products, and experience in performing literature searches for chemicals. They must also have experience in evaluating and interpreting biological data, preferably in the antiviral area.

To apply, please send resume in confidence to:
Dynamac Corporation
Personnel Department
11140 Rockville Pike
Rockville, MD 20852
Equal Opportunity Employer M/F/H

POSTDOCTORAL FELLOW: A Fellowship is available for a PLANTS BIOCHEMIST/ENZYMOL-OGIST to work in an interdisciplinary team (chemistry/biology) studying biosynthesis in plants, including the isolation of enzymes from protoplasts. Applicants should have experience in protoplast isolation, enzyme purification, and be familiar with techniques in plant molecular biology. Please send curriculum vitae and arrange for three letters of reference to be sent to: Professor A. L. Scott, Center for Biological NMR, Department of Chemistry, Texas A&M University, College Station, TX 77843. Texas A&M University is an Affirmative Action/Equal Opportunity Employer.

ORGANIC LABORATORY MANAGER

Princeton Testing Laboratory, an accredited independent laboratory offering environmental, microbiological, and industrial hygiene testing services, is seeking a goals and results oriented individual to join its management team.

The preferred candidate will have a Ph.D. in chemistry, 5-7 years of environmental analysis experience, including an in-depth knowledge of EPA regulations, and at least 2 years of supervisory experience, or a strong academic record and solid background in GC/MS, organic analysis, HPLC, IR, and supervisory skills.

Competitive salary and excellent benefits are offered. Please send resume and salary history to: E. M. Conaway, President, P.O. Box 3108, Department S, Princeton, NJ 08543-3108.

An Equal Opportunity Employer

ARGONNE NATIONAL LABORATORY

PLANT BIOTECHNOLOGY

The Division of Biological and Medical Research at Argonne National Laboratory has openings for scientists interested in joining a new program in plant molecular biology and biochemistry. Candidates will be expected to establish basic research programs, and to complement existing efforts involving structure/function relationships in photosynthesis, bioenergetics, organic biogenesis, and photosynthesis. Additional collaborative opportunities are available at the University of Chicago. Appointment will be made at the level of assistant scientist (assistant professor) or higher; a Ph.D. and postdoctoral research experience are required. Salary and rank will be commensurate with experience. Opportunities for adjunct appointments at several nearby universities are excellent. Applicants should send curriculum vitae, the names of three references and a summary of research goals to: Rosalie Bottino, Reference D-BIM-264/27-55, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439.

Argonne National Laboratory is an Equal Opportunity/Affirmative Action Employer.

PHYSIOLOGY AND/OR CLINICAL PHARMACOLOGY

FACULTY POSITION

The Department of Veterinary Biology, University of Minnesota, College of Veterinary Medicine, invites applications for a full-time, 12-month position beginning January 1989 or later. Responsibilities include establishing a strong independent research program, teaching physiology and/or clinical pharmacology to veterinary students, advising graduate students, and teaching graduate courses. Selection criteria are research potential, ability to secure extramural funding, demonstrated teaching ability, and potential for interaction with other disciplines in the College of Veterinary Medicine. Department research foci are gastrointestinal, neuroscience, muscle function, and membrane biology; there are also opportunities for collaboration with faculty in medicine, agriculture and biological sciences. We offer newly remodeled laboratory facilities, start-up funds and competitive salary. Appointment may range from assistant professor (tenure-track) to professor (tenured), commensurate with experience. Applicants for assistant or associate professor levels must have D.V.M./Ph.D., or equivalent foreign degree before appointment. Applicants for professor must have D.V.M./M.S. or Ph.D. Further guidelines for appointment levels sent on request. Send curriculum vitae, statement of research interests, and names of three references by 15 September 1987 to: Dr. Esther Gallant, Department of Veterinary Biology (G), 295 DVM Building, University of Minnesota, 1988 Fitch Avenue, St. Paul, MN 55108.

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

PHYSIOLOGY—ANATOMY. A 1-year appointment that can possibly become tenure-track will be available 1 September 1987. Teaching duties include comparative animal physiology, comparative anatomy, and two non-major courses. Send credentials and three reference letters by 31 July to: Glen G. Wurst, Biology Department, Allegheny College, Meadville, PA 16335. Review of credentials will begin 31 July 1987. Equal Opportunity Employer.

BUILDING A NEW LAB?

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SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
1515 BROADWAY
NEW YORK, N.Y. 10036
EXPERT, AIDS-ANTIVIRAL EVALUATIONS

DEVELOPMENTAL THERAPEUTICS PROGRAM (DTP)
NATIONAL CANCER INSTITUTE (NCI)
NATIONAL INSTITUTES OF HEALTH (NIH)

The NCI is actively seeking an individual to manage a new initiative in preclinical AIDS-antiviral drug evaluations. In the NCI's Developmental Therapeutics Program's extramural component, a new organization is being created to provide a specific focus for development and operation of a national AIDS-antiviral drug screening program. Activities will encompass the development and application both of human host-cell based anti-HIV models and of specific biochemical/molecular target directed screens. Highly automated technologies will be adapted to achieve a testing capacity in excess of 10,000 substances per year. Sources of agents for evaluation and possible development include: the NIH intramural and extramural programs (grantees, contractors, drug discovery groups); other government agencies; private research institutes; foundations; individual investigators; universities, private industry, and through international collaborations.

The incumbent will manage these activities and coordinate these functions closely with those of the other DTP branches/laboratories as required. He/she will serve as chairperson or member of key committees encompassing the major executive decision making responsibilities for the AIDS preclinical drug development program.

Candidates should have a Ph.D. and/or M.D. with relevant training (Pharmacologist, Biologist, Microbiologist, Chemist, Medical Officer, etc.) with experience in antiviral drug research and development or closely related fields. Specific experience in retrovirology and development and applications of antiviral drug screening models and/or preclinical experimental therapeutics investigations would be desirable. Substantial experience in management of complex applied technology operations in a highly interdisciplinary setting would also be advantageous.

Proposed salary range ($45,763-$72,120) dependent upon education and experience. Interested individuals should submit their Curriculum Vitae, bibliography, salary history, and any other relevant materials to: Dr. Michael R. Boyd, Associate Director, Developmental Therapeutics Program, Division of Cancer Treatment, National Cancer Institute, Landow Building, Room 5A21, Bethesda, Maryland 20892, by July 31, 1987.

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Immediate opportunities are available for PhDs, and individuals with MS and BS degrees. Surgical skills in vivo models. Experience with radio ligand binding, hemodynamics, and/or myocardial functions are desirable.

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TO EXPLORE YOUR FUTURE on the leading edge of cardiovascular drug research, send resume with salary history, noting position of interest to: BRISTOL-MYERS COMPANY, Pharmaceutical Research & Development Division, Attn: T2Z, R.O. Box 5100, 5 Research Parkway, Wallingford, CT 06492.

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As a member of an interdisciplinary team of research scientists, you'll be responsible for performing research leading to the development of new biosensors, physiological probes, and medical instruments. In this role, you will utilize your expertise in areas that may include physics, chemistry, biology, optics and instrumentation.

To qualify, you should have a PhD or MS in physics, biophysics, biophysical chemistry or a related science. Hands-on instrumentation and computer experience also desired.

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Our Gastrointestinal Biology Group is seeking an individual with a PhD in Pharmacology or Biochemistry who has a good publishing record and is interested in drug discovery research. Experience in receptor ligand interactions and cell isolation assays is essential. An understanding of GI Pharmacology/Physiology is preferred but not required.

We offer competitive salary, a full paid benefits package and a pleasant work environment. If your credentials meet our requirements and you are interested in exploring a career with us, submit a resume including salary requirements to: Barbara F. Lipmann, Rorer Central Research, 640 Alendale Road, King of Prussia, PA 19406. Equal Opportunity Employer, M/F.

Rorer Central Research

Howard Hughes Medical Institute

The Trustees invite nominations and applications for President of the Howard Hughes Medical Institute. It is anticipated that the President of the Institute will be a nationally recognized scientist with demonstrated administrative capacity and the potential for guiding the Institute in an imaginative and productive manner.

Established in 1953 by the aviator-industrialist Howard R. Hughes, the Institute today is a rapidly growing scientific organization whose core program is basic biomedical research. The Institute has 27 research laboratories located throughout the United States in outstanding academic medical centers, hospitals, and universities. These laboratories are staffed by 178 research scientists working in five broad program areas: cell biology and regulation, genetics, immunology, neuroscience, and structural biology. The Institute’s scientific research staff numbers about 1100.

The Institute recently announced that it would begin a new program of grants for other scientific purposes within its charter.

The Institute’s executive offices are located in Bethesda, Maryland, where there is an administrative and program staff of about 150.

Responses should include the person's present position, a brief summary of his or her scientific interests and accomplishments, and a description of the person’s administrative experience. Please address nominations and expressions of interest to:

William T. Quillen, Esq.
Secretary of the Search Committee
Vice President and General Counsel
Howard Hughes Medical Institute
6701 Rockledge Drive
Bethesda, Maryland 20817

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POSTDOCTORAL POSITION. A position is available immediately to study the disruption of growth control and signal transduction mechanisms by anticancer drugs like adriamycin. We are particularly focused on growth factor receptors, oncogene products and phosphatidylinositol turnover. Experience in cell biology or molecular biology would be helpful. Contact: Dr. Thomas R. Tritton, Department of Pharmacology, University of Vermont Medical School, Burlington, VT 05405.

POSTDOCTORAL POSITION available immediately to work in the area of chemical carcinogenesis. Previous experience in this area, or in enzymology, organic chemistry or cell culture techniques desirable. Please send curriculum vitae and the names of three references to: Dr. Trevor M. Penning, Department of Pharmacology/6084, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104.

POSTDOCTORAL POSITIONS IN DRUG METABOLISM are available in a multidisciplinary group studying mechanistic aspects of metabolic transformations in vitro and in vivo. Applicants should have a Ph.D. in medicinal chemistry or related discipline, and experience in the use of GC and GC-MS techniques for the analysis of biological samples. Send resume, statement of research interest, and the names of three references to: Dr. Thomas Baillie, Department of Medicinal Chemistry, BG-20, University of Washington, Seattle, WA 98195.

POSTDOCTORAL POSITION—MOLECULAR BIOLOGIST to study hormone-regulated gene expression in plants. Position available September 1987. Candidate should have demonstrated proficiency in recombinant DNA techniques. Salary range is $20,000 to $25,000 per year. Send curriculum vitae and three letters of reference to: Professor W. B. Fowdahl, Laboratory of Plant Molecular Biology and Physiology, 155 Johnson Hall, Washington State University, Pullman, WA 99164-6414. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION IN MOLECULAR VIROLOGY available winter, 1987, to study herpes simplex virus latency. We are utilizing a mouse model system to study herpes simplex virus type 1 latency. Having shown that the viral genome, when latent, is in a different physical state from that found during productive infection, we now wish to study the chromatin structure of the latent DNA. We are also studying transcription during the latent state and the effects of drugs which block reactivation. There is a moderate size group, including several investigators, working on this field. The Wistar Institute is the oldest biochemical research institute in the United States, and is situated on the University of Pennsylvania campus in the University City section of Philadelphia. Send curriculum vitae including names of three references to: Dr. Nigel W. Frasier, Associate Professor, The Wistar Institute, 36th and Spruce Streets, Philadelphia, PA 19104. Equal Opportunity Employer, MIF.

POSTDOCTORAL POSITIONS—Applications are invited to join a group studying the mechanism of chemotaxis in eukaryotic cells. Research is focused currently on the early molecular events involved in hormone induced actin polymerization leading to pseudopod formation. Potential candidates should be recent Ph.D.'s or equivalent with a background in either protein chemistry, molecular or cellular biology. The group is multidisciplinary, conducts only basic research and is endowed with outstanding research facilities. Send curriculum vitae and names of three references to: Dr. John Condeelis, Department of Anatomy and Structural Biology, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, NY 10461. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS. Postdoctoral positions available for multidisciplinary studies concerning (i) structure and function of neuronal nicotinic acetylcholine receptors, or (ii) mechanisms of neuronal differentiation. Investigations are to encompass biochemical, immunological, pharmacological, molecular genetic approaches with model cell culture systems in a unique and dynamic institution. Send curriculum vitae, names and addresses of three references, and brief statement of research experience and objectives to: R. J. Lukas, Division of Neurobiology, Barrow Neurological Institute, 550 West Thomas Road, Phoenix, AZ 85013. Equal Opportunity Employer.

Plant Physiologist

Chevron Chemical Company is one of the nation's leading producers of fungicides, herbicides and other agricultural and garden chemicals sold under the Ortho name. Currently, our Agricultural Chemicals Division is seeking a Ph.D. degreed Plant Physiologist to join our new and stimulating research environment located in Richmond, California.

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In addition to a multidisciplinary environment, we provide an attractive salary and benefits package. For immediate consideration, candidates should send resumes to: Chevron Chemical Company, Human Resources, P.O. Box 4010, Richmond, CA 94804-0010. An equal opportunity employer.

Manager Drug Experience Reporting

McNeil Pharmaceutical, a Johnson & Johnson Company, is a well-established leader in the ethical pharmaceutical field. We currently have an opportunity for an individual to be responsible for the receipt of the information concerning the drug experience reports, verification of the information and reports, and the completion of the required FDA report forms within the specified time frames.

The ideal candidate will have a PhD in the Health Sciences with training or experience in drug epidemiology. Excellent communication, interpersonal and organizational skills are essential.

In return for your expertise, we offer a competitive salary, excellent benefits and an environment which fosters your professional growth at our suburban Philadelphia facility.

For consideration, please send resume with salary requirements to: Susanne Ford

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POSTDOCTORAL POSITION IN IMMUNOLOGOLOGY

Postdoctoral Position available in the laboratory of Dr. David C. Keane, Department of Physiology, University of Virginia. The position is available immediately and involves investigating the role of natural killer cells and their interactions with tumor cells. The successful candidate will have a Ph.D. in immunology or a related field. Salary is competitive and includes an excellent benefits package. The position is available immediately and will remain open until filled. Please submit a curriculum vitae and a statement of research interests to: Dr. David C. Keane, Department of Physiology, University of Virginia, PO Box 80203, Charlottesville, VA 22903.

POSTDOCTORAL POSITION IN INvertebrate BIOLOGY

Postdoctoral position available immediately in the Laboratory of Dr. John E. Keene, Department of Biology, University of Idaho. Research will focus on the molecular and cellular biology of the invertebrate brain, with an emphasis on comparative neurochemistry and neuroendocrinology. The successful candidate will have a Ph.D. in biology or a related field. The position is available immediately and will remain open until filled. Please submit a curriculum vitae and a statement of research interests to: Dr. John E. Keene, Department of Biology, University of Idaho, 875 Perimeter Drive West, Moscow, ID 83844-1912.

POSTDOCTORAL POSITION IN NEUROBIOLOGY

The Department of Neurobiology at the University of California, Los Angeles, has an immediate opening for a postdoctoral position in the laboratory of Dr. Jane E. F. Williams. The position is available immediately and will remain open until filled. Please submit a curriculum vitae and a statement of research interests to: Dr. Jane E. F. Williams, Department of Neurobiology, University of California, Los Angeles, CA 90095.

POSTDOCTORAL POSITION IN NEUROCHEMISTRY

Postdoctoral position available in the laboratory of Dr. Robert J. Keene, Department of Chemistry, University of Washington. Research will focus on the molecular and cellular biology of the invertebrate brain, with an emphasis on comparative neurochemistry and neuroendocrinology. The successful candidate will have a Ph.D. in biology or a related field. The position is available immediately and will remain open until filled. Please submit a curriculum vitae and a statement of research interests to: Dr. Robert J. Keene, Department of Chemistry, University of Washington, Box 351700, Seattle, WA 98195.
POSITIONS OPEN

RESEARCH ASSOCIATES: The Behavioral Sciences Department of the Armed Forces Radiobiology Research Institute (AFRRI), a command of the Defense Nuclear Agency, is seeking two behavioral scientists to conduct animal research on the behavioral effects of ionizing radiation. One position is for an experimental psychologist with interests in the areas of learning and operant conditioning. The successful candidate will work as part of a team studying the force and duration of motor responses. This position, available immediately, is a 1-year appointment renewable up to 4 years. Salary ranges from $22,458 to $35,326. The other position is for a Research Pharmacologist with interests in CNS neurochemistry and behavior. Although consideration would be given to candidates with experience in any area of neurochemistry, emphasis would be placed on those with a strong background in ion channels. This is a 4-year appointment with salary ranges from $32,567 to $43,271. For both positions, desirable qualifications include a Ph.D., a strong publication record, and independent research experience. To apply for these Civil Service positions, send a form SF-171 and/or curriculum vitae and reprints of published work to: Armed Forces Radiobiology Research Institute, Civilian Personnel Office, Bethesda, MD 20814-5145, no later than 31 August 1986. Reference Announcement Number 28/86B for the research psychologist position, and MSVA 29/87A for the research pharmacologist position. Direct inquiries to: Dr. Alan Harris, Deputy Chairman, telephone 202-295-0114 or Deborah Bush, Personnel Management Specialist, telephone 202-295-1426. U.S. citizenship is required. AFRRI is an Equal Opportunity Employer.

RESEARCH ASSOCIATE: Research studies roles of cholesterol and glycoprotein biosynthesis in developing neural systems, principally primary cultures. Position includes supervision of technician. Faculty appointment possible. Salary competitive. Stimulating academic environment. Send curriculum vitae to: Dr. Joseph J. Volpe, Washington University School of Medicine, Children’s Hospital, 400 South Kingshighway, Saint Louis, MO 63110.

RESEARCH ASSOCIATE—CYTOGENETICS. Participate in faculty research involving cytogenetics and molecular cell biology of solid tumors. Qualifications include M.S. degree in cytogenetics or cell biology, and research experience in cytogenetics, tissue culture, or molecular biology. Send résumé to: Martha Lennard, Human Resources Management, LSUMC, 1501 Kings Highway, P.O. Box 35952, Shreveport, LA 71130. An Equal Opportunity Employer.

MALARIA RESEARCH

TWO RESEARCH ASSOCIATE positions available for initially 2 years. One project will focus on the expression of genes from human malaria parasites cloned in different vector systems. The other concerns the further development and modification of malaria-specific DNA probes and their adaptation to field use. Applicants for both positions should have at least 2 years of postdoctoral experience, and a strong background in recombinant DNA technology. Send curriculum vitae to: Dr. J. Werner Zeigl, Department of Molecular Biology, Biomedical Research Institute, 12111 Parklawn Drive, Rockville, MD 20852. An Equal Opportunity Employer.

RESEARCH POSITION: Cellular Immunology and Molecular Biology. The Pulmonary Unit (Medical Services) of the Massachusetts General Hospital has a staff opening for a Ph.D. with a strong background and experience in cellular immunology and molecular biology to work in a newly expanded laboratory facility. Experience in the use of in vitro techniques, including cell culture work, and interest in environmental/occupational immunology are desirable. Please send curriculum vitae and a brief description of research interests to: L. C. Ginn, M.D., Pulmonary Unit, Building 1, Massachusetts General Hospital, Boston, MA 02114. An Equal Opportunity/Affirmative Action Employer.

SENIOR SCIENTIST
Inhalation Toxicology

The LILLY RESEARCH LABORATORIES, a division of Eli Lilly and Company, is seeking candidates for a senior scientist position in Inhalation Toxicology.

Applicants must have a doctoral degree with a background in inhalation toxicology, aerosol generation and sampling. Prior laboratory experience and a knowledge of inhalation toxicology are essential.

Primary responsibilities involve the supervision of an inhalation toxicology testing program that currently includes acute and subchronic toxicity studies and evaluation of pulmonary function, sensory irritation, and bronchoalveolar lavage. Other areas of interest in this program are the screening of new drug candidates for inhalation toxicity potential; the performance of studies to meet international regulatory requirements for product registration; and the performance of studies to develop workplace exposure guidelines. The position represents a unique challenge to a qualified scientist interested in contributing to research aimed at the development of pharmaceutical compounds.

Qualified candidates should send their curriculum vitae to:

Ms. Carol Zapapas
Personnel Representative—GL961
Eli Lilly and Company
Greenfield Laboratories
P.O. Box 708
Greenfield, Indiana 46140
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Protein Crystallography
Project Team Leader

The Job

A vacancy exists at the Daresbury Laboratory for a senior scientist to be responsible for the development, operation and use of the protein crystallography data collection facilities using the synchrotron radiation source (SRS). We have an extensive range of equipment, including a FAST detector system, operating in an intense focussed monochromatic X-ray beam. A facility for focussed Laue crystallography using a broad-band radiation beam is under development. Powerful computing systems are available for data analysis.

The duties include coordinating the protein crystallographic research programmes of external users at the SRS, ensuring the operation of data collection facilities to the highest possible standard, directing and supervising Laboratory staff and the management of a substantial budget. The Project Team Leader would be expected to initiate research programmes and/or to undertake collaborative research with external users of the SRS.

The person appointed would be the senior technical expert in protein crystallography at the Laboratory and would be expected to maintain the leading international status of the PX facilities.

The Person

We need someone with extensive experience in protein structure solving and the associated instrumentation and computational needs. Experience in the use of synchrotron radiation would be a valuable asset. Dedication, enthusiasm and leadership are essential qualities.

The Benefits

The appointment will be made at Grade 7 level on a salary scale (currently under review) from £7,383 to £9,465 per annum, depending on qualifications and experience. There is a non-contributory superannuation scheme.

Further information may be obtained from the following people:

Dr. J. Thompson 0988 603320
Professor M. Hart 0988 603385 or 061 372 4873 Ext. 34
Professor P. J. Duke 0988 603480

Application forms may be obtained, quoting reference number DA/9 from: The Personnel Officer, Daresbury Laboratory, Science and Engineering Research Council, Daresbury, Warrington, Cheshire WA4 4AD. Tel: Warrington (0988) 603467 (24 hour answering service).

POSITIONS OPEN

Telios is a newly developed pharmaceutical company in the La Jolla area. We are currently recruiting at the research scientist level.

RESEARCH SCIENTIST: Three positions are currently available. Successful applicants will have a Ph.D. and relevant experience with either (i) peptide chemistry/purification; (ii) small molecule or animal physiology; or (iii) synthetic organic chemistry.

TECHNICAL SPECIALISTS: Three positions are available. Successful applicants will have a B.S. in one of the above mentioned areas.

Send curriculum vitae to: Personnel Manager, La Jolla Collegiate, Inc., 9901/10901 North Torrey Pines Road, La Jolla, CA 92037.

RESPIRATION MECHANICS/GAS TRANSPORT. Research engineer or physiologist with computational and experimental experience in fluid mechanics, transport processes, or systems dynamics. Contact: Jeffrey Fredberg, Ph.D., The Biomechanics Institute, 896 Beacon Street, Boston, MA 02215

SENSORY NEUROPHYSIOLOGIST. Tenure-track possibility for position available at assistant professor level. Serious commitment to collaborative work within the Microsurgical Research Center. Experience required in sensory neurophysiology with properties of central axes which have regenerated along peripheral nerve implants. Preference given to applicants experienced in spinal cord neurophysiology and tract tracing techniques. Please send curriculum vitae with three letters of recommendation to: Dr. Julia Terris, Microsurgical Research Center, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, VA 23501.

RESEARCH TRAINING

RESEARCH TRAINING IN SALIVARY SECRETION

Positions available immediately, at the University of Washington for research training in the cell biology and pathophysiology of salivary secretion. Study topics include all elements using electron probe, interactions between salivary macromolecules, intracellular transport, etc. Send curriculum vitae, names and addresses of three references to: G. Gillad, Department of Neurobiology, Coriell Institute for Medical Research, Cwepowen Street, Camden, NJ 08103.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP available 15 June 1987, to study mechanisms underlying functional and structural neurolastincity during regeneration and aging. Send curriculum vitae, names and addresses of three references to: G. Gillad, Department of Neurobiology, Coriell Institute for Medical Research, Cwepowen Street, Camden, NJ 08103.

POSTDOCTORAL POSITION. Available immediately. NIH FELLOWSHIP to study s-adenosylmethione-dependent processes using myelin basic protein as a model system. Opportunity to gain experience in molecular cloning, in vitro transcription and translation, and in vivo transgenic reactions. Applicants must be U.S. citizens or landed immigrants. Please send curriculum vitae, names and addresses of three references to: Dr. Sanghak Kim, Fels Research Institute, Temple University School of Medicine, Philadelphia, PA 19140.

OPPORTUNITIES FOR DOCTORAL STUDY IN DEVELOPMENTAL NEUROSCIENCE

The College of Staten Island (CSI) and the Institute for Basic Research in Developmental Disabilities (IBR) have agreed to cooperate closely in a joint program to provide a multi-disciplinary environment for doctoral and postdoctoral education in molecular, cellular, and developmental neurobiology; in neurobehavior and in the psychology of developmental disabilities. Qualified students interested in neurobiology who wish to be admitted to the Ph.D. Program in Biology of The City University of New York and will work with investigators at IBR and CSI, as well as with colleagues in the College of Staten Island. Applicants must be U.S. citizens or landed immigrants. Please send curriculum vitae, names and addresses of three references to: Dr. Sanghak Kim, Fels Research Institute, Temple University School of Medicine, Philadelphia, PA 19140.

The Division of Urology, UCLA School of Medicine, is recruiting a UROLOGIST to function as a full-time faculty member primarily in the areas of uro dynamics and female urology. Applicants must be Board-certified or Board-eligible, with extensive experience and have made significant contributions to clinical research in uro dynamics, bladder reconstruction, and female urology. The applicant must be capable of organizing and supervising a section of neuro urology and female urology in a large clinical department. Applicants should submit curriculum vitae, bibliography, and names of references. UCLA is an Equal Opportunity/Affirmative Action Employer.

For further information write to: Dr. David Soifer, UCLA/IBR, 1080 Forest Hill Road, Staten Island, NY 10314.

AWARDS

ARTHRITIS RESEARCH AWARDS. The Southern California Chapter of the Arthritis Foundation is awarding a total of $10,000 to three investigators. Three prizes of $3,333 each to provide support to a physician(s) or other scientist(s) (M.D./s or Ph.D./s) conducting an innovative biomedical research project relevant to the rheumatic diseases. Applications must be received within the Southern California Chapter. Applications from sources not traditionally funded by the Arthritis Foundation are highly encouraged but not absolutely required. The application deadline is 14 August 1987. Contact: Arthritis Foundation, 4311 Wilshire Boulevard, Suite 311, Los Angeles, CA 90010/9001 North Torrey Pines Road, La Jolla, CA 92037.

RESEARCH FELLOWSHIP PROGRAM IN TERATOLOGY AND DEVELOPMENTAL BIOLOGY

Support for training is available immediately through an NIH training grant. The program emphasizes research on molecular aspects of teratology including molecular genetics, intrinsic pH regulation, and behavior. Applicants must be U.S. citizens. Send correspondence, curriculum vitae, and three letters of recommendation to: Dr. William J. Scott, Jr., Division of Basic Research, Children's Research Foundation, Endall and Bethesda Avenues, Cincinnati, OH 45229.

ALFRED P. SLOAN FOUNDATION

POSTDOCTORAL FELLOWSHIP IN MOLECULAR STUDIES OF EVOLUTION. New program to award up to six grants. Total compensation: $25,000 plus $10,000 research funds per year. Tenable for 2 to 3 years at universities or non-profit research institutions in U.S. or Canada. Applicants should be prospective or recent Ph.D. in molecular biology, evolutionary biology, or related discipline. Deadline: 15 October 1987. For details, contact: Dr. Michael S. Teitelbaum, Alfred P. Sloan Foundation, 630 Fifth Avenue, New York, NY 10111. Telephone: 212-582-0450.

POSTDOCTORAL FELLOWSHIPS. Studies on neuropeptide metabolizing enzymes and their inhibitors. The project involves isolation and characterization of enzymes that are responsible for the catabolism of neuropeptide inhibitors, and evaluation of the pharmacological properties of these inhibitors. This broad-based project can accommodate candidates with training in enzymology, organic chemistry, or the neurosciences. Fellowships are supported by a training grant from the National Institute of Drug Abuse (NIDA). Requirements: Ph.D. or M.D. degree, and U.S. citizenship or permanent resident. Salary: NIDA stipend, plus supplement. Immediate availability. Send curriculum vitae and names and addresses of three references to: Dr. Sherwin Wilk, Department of Pharmacology, Box 1215, Mount Sinai School of Medicine, One Gustave Levy Place, New York, NY 10029. An Equal Opportunity Employer.

POSTDOCTORAL RESEARCH FELLOWSHIP IN THE NEUROSCIENCES

Laboratory organized 3 years ago to utilize complementary basic and clinical research to understand human neurodegenerative disorders, for example Alzheimer's disease and schizophrenia. Current group of five researchers—one position available immediately. Applicant may join ongoing research or develop own project within the laboratory. Research project includes: the use of models of brain damage in the albino rat, the evaluation of the characteristics of cultured fibroblasts derived from skin biopsies of patients with neurodegenerative disorders, and the use of monoclonal antibodies to identify and isolate important factors in brain damage. Applications entertained from individuals with diverse disciplines. Experience in neuroscience research not an absolute requirement. We are interested in your talent and work ethic. Send curriculum vitae to: Martin R. Cobin, M.D., Chief Researcher. Research Laboratory, WHSBI, University of South Carolina Department of Neuropsychiatry and Behavioral Science, P.O. Box 203, Columbia, SC 29202, or telephone: 803-794-7004.

RESEARCH FELLOWSHIP. Department of Zoology, University of Toronto, invites applicants from Canadian citizens and landed immigrants who wish to be sponsored for an NSERC University Research Fellowship. The department is multidisciplinary, and excellent researchers in any zoological field are encouraged to apply. Preference may be given, however, to those using modern molecular techniques. Applications are available for a 5-year term, and must lead to a tenure-track position. Financial support for research will be available. Send curriculum vitae, representative reprints, statement of research interests, and three letters of reference by 7 August 1987 to: Dr. Irv Tallan, Department of Zoology, University of Toronto, Toronto, Canada M5S 1A1.

SCIENCE, VOL. 237
Temple University School of Medicine invites applications and nominations for a scientific and administrative leader of the Fels Research Institute of Cancer and Molecular Biology. The position is expected to provide leadership in molecular biological approaches to cancer research and to foster expansion of molecular biological research at Temple University. A number of positions in addition to the Director are available for rapid expansion of the research program.

Temple University Health Sciences Center includes a new hospital with clinical research laboratories and a modern Clinical Research Center. These facilities provide opportunities for collaborations in clinic aspects of research in cancer, molecular biology and genetics. Applicants should have a recognized program in an area of molecular biology. A relationship to cancer is desired, however other areas will be considered. Applications or letters of nomination should be accompanied by a curriculum vitae, and the names of at least three references. Send the application before September 30, 1987, to: Gerhard Plaut, Ph.D., Chairman, Search Committee, Fels Research Institute of Cancer and Molecular Biology, Office of the Dean, Temple University School of Medicine, 3400 N. Broad Street, Philadelphia, PA 19140. Temple University is an Affirmative Action/Equal Opportunity Employer.
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