Personnel Placement

SCIENCE publishes this Friday, except the last Friday of the year. Advertising is accepted only in writing; no abbreviations. Any deadline in ad must be at least 2 weeks after date of issue in which ad appears. Also, personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual preference.

LINE CLASSIFIED ADVERTISING DEADLINES: Third, 2 weeks prior to issue date (mailed on issue date).

POSITIONS WANTED: 40¢ per word, plus $.40 for use of box number, per week, $.10 minimum, per week. Prepayment required. This rate is available only to individuals seeking jobs.

LINE CLASSIFIED (POSITIONS OPEN, COURSES, FELLOWSHIPS, MARKETPLACE, and so forth): $3.50 per line, $350 minimum, per week (minimum charge covers one inch on a single column; one inch equals 10 lines of 52 characters and spaces per line). No charge for use of box number. No agency commission for ads less than 4 inches. No cash discount. Prepayment required for all foreign ads. Purchase order number covers seven lines including billing address required for all other advertising.

Structure ad copy on a separate page, on lines of 52 characters and spaces. Include any desired heading. Each line of heading and/or extra spaces, and all partial lines are counted as full lines. To calculate cost, multiply total number of lines to total cost of ad.

Send copy for all Positions Wanted ads and Line Classified ads less than 1/6 page in size (39 lines) to:

SCIENCE Classified Advertising
1333 H Street, N.W., Room 200
Washington, D.C. 20005
Telephone: 202-323-6555

Send copy for Fractional Display ads, 1/6 page and larger, and Line Classified ads to:

Scotchergo Associates, Inc.
1515 Broadway
New York, N.Y. 10023
Telephone: 212-730-1050

Bind ad replies should be addressed as follows:

Box (give number)
1333 H Street, N.W.
Washington, D.C. 20005

POSITIONS WANTED

Agricultural Biotechnology Researcher, B.S. with two years relevant experience. Must have experience in three major corporate laboratories, and M.B.A. in finance from top business school with corporate finance experience, seeks ideas for business or management position utilizing background. Telephone: 303-446-7216.

Anatomist/Zoologist, Ph.D. Broad background, invertebrate/vertebrate biology, embymology, human anatomy; electron microscopy; experienced innovative teacher. Prefer small college teaching. Box 10, SCIENCE.

Biochemist Ph.D. extensive research experience in enzyme purification and characterization, immunobilization and modern laboratory techniques. Many publications. Seeks postdoctoral or research position. Box 11, SCIENCE.

Chemical/Medical/Business Writer: Seeks free-lance projects—all types. Will organize symposia, seminars, etc. Marsha E. Daman, Ph.D., P.O. Box 554, Redminister, NJ 07921. Telephone: 201-234-2385.

Technical Writer, Ph.D. Twenty years experience in research and writing for scientific, technical, and popular markets. Credits include fifteen books in three languages and articles in varied scientific and academic journals. Seeks free-lance projects of all kinds, including manuals, software documentation, grants and proposals, library research, manuscript critiques and editing, ghostwriting, lectures, and speeches. Box 214, SCIENCE.

Clinical Chemist/Biomedical Scientist, Ph.D. Recently completed Ohio State postdoctoral fellowship. Twelve years' atherosclerosis research on blood platelet/vesSEL wall interactions. Experience with clonal cell lines, coagulation, and platelet function. Published in major peer reviewed journals. Established research laboratory. Box 18, SCIENCE.

Ecologist/Field Biologist, Ph.D., seeks employment in teaching and/or research in an ecologically oriented field. Seven years' college level teaching experience. Herbarium experience. Experience as a plant collector in U.S. and New World tropics and experience in avian ecology in U.S. and tropics, in plant ecology, and in aquatic toxicology. Publications. Teaching interests include general biology, ecology, evolution, ornithology, and field botany. Principal research interests: forest dynamics and forest succession. Box 19, SCIENCE.

If you need a Ph.D. Consulting Scientist or general tutor, please write or telephone Dr. Ghouri, 509 Connie Lane, Manchester, MO 63011. Telephone: 314-394-0589 (evenings).

Immunopathologist/Electron Microscopist, Ph.D. seeks position in biomedical company or core/research laboratory in immunology, DNA hybridization, histochemistry, pathology as director, administrator, 10 years experience in administrative/management/methodology. Box 2, SCIENCE.

Radiochemist Ph.D. Highly competent with strong background in molecular biology, radiotracer methodology, and more than 9 years of extensive research and development of radiopharmaceutical and animal models in areas of cell labeling and MoAb. Interested in collaboration and desires a challenging position in industry or academia. Box 14, SCIENCE.

POSITIONS OPEN

EASTERN VIRGINIA MEDICAL SCHOOL ADMINISTRATIVE DIRECTOR OF MICROSCOPICAL RESEARCH CENTER

The Eastern Virginia Medical School is presently inviting applications to fill the administrative directorship of the Microscopical Research Center (MRC). The MRC is a modern, fully equipped research facility whose mission is to promote interdisciplinary teaching as well as basic and clinical research. The center is involved in the microneuronal and microsurgical disciplines. The administrative director will be responsible for the daily logistics of the center and will work closely with the chairman of plastic surgery and a scientific overview committee in long-term planning and decision making of MRC research and teaching program. The administrative director should possess either a Ph.D. or an M.D. and be coupled with extensive experience in an academic setting with preferred experience as a neuroscientist. A senior scientist with an established history of extramural support will be viewed favorably. Send a letter of intent, a current curriculum vitae, plus three letters of recommendation before 5 March 1987 to:

James H. Carraway, M.D.
Eastern Virginia Medical School
P.O. Box 1980
Norfolk, VA 23501

Eastern Virginia Medical School is an Affirmative Action and Equal Opportunity Employer.

ASSISTANT PROFESSOR IN MICROBIAL PHYSIOLOGY/ECOLOGY: Research with aquatic system and/or the microorganisms which compose them. Initial position is non-tenure-track. Applicant must have Ph.D. in microbiology. Duties include teaching in microbiology. Appointment is anticipated for 2 years, with possibility of renewal. Send curriculum vitae, publications, statement of research interests, and have forwarded three recommendations by 16 April 1987 to: Dr. Iola T. McClur-

AASSISTANT PROFESSOR IN MICROBIAL PHYSIOLOGY/ECOLOGY: Research with aquatic system and/or the microorganisms which compose them. Initial position is non-tenure-track. Applicant must have Ph.D. in microbiology. Duties include teaching in microbiology. Appointment is anticipated for 2 years, with possibility of renewal. Send curriculum vitae, publications, statement of research interests, and have forwarded three recommendations by 16 April 1987 to: Dr. Iola T. McClur-
ASSISTANT RESEARCH SCIENTIST—Candidate with Ph.D. in biochemistry or related area to study DNA repair enzymology. Experience in some aspects of nucleic acid chemistry desirable. Familiarity with HPLC techniques helpful. Send curriculum vitae and names of three references to: James H. Hultquist, Department of Pharmacology, New York University Medical Center, 317 East 34 Street, New York, NY 10016. An Equal Opportunity/Affirmative Action Employer. M/F.

ASSISTANT RESEARCH SCIENTIST POST-DOCTORAL POSITION available, early 1987, for candidate with doctorate in molecular biology, virology, or cell genetics to work on research project involving the cloning of cell genes regulating cell cycle progression in animal cells; regulation of poliovirus gene expression in transformed cells; and the study of a novel human oncosphere derived from Koprowski's sarcoma DNA. Send curriculum vitae and names of three references to: Joan Harmon, Personnel Department, New York University Medical Center, 317 East 34 Street, 7th Floor, New York, NY 10016. An Affirmative Action/Equal Opportunity Employer M/F.

ASSISTANT SCIENTIST
There is an immediate opening in the immunopharmacology section for a full-time position involving research on inflammatory and immune mechanisms in human disease. Job responsibilities of this assistant scientist level position will entail both in vitro and in vivo experimentation. Familiarity with tissue culture techniques and the ability to work with small laboratory animals is desirable. Experience in the area of immunology (IL-1 or IL-2) is highly desirable. A Bachelor of Arts or equivalent is required. Our facilities, located in Ann Arbor, Michigan, are well-equipped and equal to the most recent technological advances. Our salaries are highly competitive, and we offer an outstanding benefits package. If qualified, please send your resume, in confidence, to:

Ms. S. Hultquist
Human Resources Department
Wayne-Lambert/Parke-Davis
Pharmaceutical Research
2800 Plymouth Road
Detroit, Michigan 48255
An Equal Opportunity in Action

ASSISTANT/ASSOCIATE PROFESSOR OF PHARMACOLOGY
The expanding Department of Pharmacology at Northeastern Ohio Universities College of Medicine invites applications from individuals with strong research credentials in CNS pharmacology for a tenure-track position at the level of assistant or associate professor. Applicants must have a Ph.D. degree, have completed not less than 2 years of postdoctoral training, and be committed to conducting independent research. Some teaching experience is desirable. The position requires participation in teaching of medical students and residents. The medical school is housed in a modern facility on 55 acres and is close in proximity to a wide variety of living styles. Many opportunities are available in the geographic area for academic and social interaction. Send curriculum vitae including the names of three references by 15 March 1987 to: Dr. Martin D. Schechter, o/o the Office of Human Resources, Northeastern Ohio Universities College of Medicine, 4209 Street Route 44, Rutherford, OH 44272. An Affirmative Action/Equal Opportunity Employer.

ASSOCIATE DEAN FOR RESEARCH
Reports to Vice President for Academic Affairs/Dean of the School of Medicine. Primary duty is to foster research activity in the School. Involvements include: identifying potential sponsors; assisting faculty with proposals; facilitating interdisciplinary collaboration. Also, organizing and supervising faculty in research and research-related progress of graduate student research. Supervises IRB; animal welfare committee and related research support activities. Advises on use of research space, equipment, and other College resources. Experience in independent research and in review/management of federal research grants essential. Contact: Frank G. Standaert, M.D., Vice President for Academic Affairs/Dean of the School of Medicine, Medical College of Ohio, C.S. 10008, Toledo, OH 43699. An Equal Opportunity/Affirmative Action Employer.

ASSOCIATE/ASSOCIATE PROFESSOR THE UNIVERSITY OF NORTH CAROLINA at CHAPEL HILL
The Department of Physiology invites applications for one or two tenure-track positions from individuals with a diverse background in physiology. We are particularly interested in attracting and promoting women and minority candidates to the University. The successful candidate will be expected to design and carry out research projects that complement present interests in neurobiology, molecular endocrinology, cell biology, renal and cardiovascular physiology. Submissions highlighting originality and breadth of any research area are welcome, but those studying functional aspects of hormone receptor interactions, signal transduction mechanisms, or cell communication will be given first consideration.

Qualifications include a Ph.D. or M.D. degree and 3 years of postdoctoral research experience. The successful candidate will be expected to develop an interactive and visible research program. He/She will be expected to develop a vigorous independent research program and participate in departmental and college teaching programs. The departmental teaching load will provide an outstanding environment for faculty development.

Completed applications should include a detailed curricular vitae, a description of future research plans, copies of two recent publications, and letters from three references. This material should be received prior to 15 April 1987. Address correspondence to:

Chairman, Search Committee
Department of Physiology
206 W
University of North Carolina at Chapel Hill
Chapel Hill, NC 27514

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

ASSISTANT OR ASSOCIATE PROFESSOR OF SURGERY—NONTENURE TRACK, UNIVERSITY OF CALIFORNIA, SAN DIEGO. The Department of Surgery at the University of California, San Diego invites applications from individuals with a faculty rank position as an electrophysiologist to study ion transport and electrical charges in human and animal models of colorectal cancer. The incumbent will design and supervise experiments in understanding cellular and epithelial electrophysiological events in colon cancer with eventual application in the early diagnosis of pre-malignant changes in the colorectal epithelium of human subjects. The position requires a Ph.D. in physiology, biophysics, electrophysiology, or related areas; experience and productivity in above-mentioned scientific investigation preferred; experience in supervising technicians and experiments, assisting in grant writing and experimental design, presentation, and publication of research papers; teaching of medical students and residents. Closing date: 30 March 1987. Send curriculum vitae and bibliography to: Richard J. Davies, M.D., H691B, UCSD, 225 Dickinson Street, San Diego, CA 92103. Salary related to academic rank and step within the established salary schedule of the University of California. This position is guaranteed for 2 years and further extension is dependent upon funding. The University of California is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF PATHOLOGY—The School of Veterinary Medicine, University of California, Davis, is seeking applications for an assistant professor of veterinary pathology. Candidates must have a D.V.M. (or equivalent) and a Ph.D. with advanced training in veterinary pathology. Preference will be given to persons with board certification by the American College of Veterinary Pathology. Candidates should have established a record of principal investigator of an externally funded research program relating to the pathogenesis of disease at the cellular or molecular level. The candidate will be expected to design and carry out independent teaching programs at the professional (D.V.M.) and postgraduate levels. The appointee will be expected to make an important contribution to the research program of his department. The salary is commensurate with qualifications, experience, and rank at appointment. The starting date is 1 July 1987 with a deadline for receipt of applications being 15 March 1987 or until filled.

Applications should send curriculum vitae, and the names of three references to: Dr. L. Dangworth, Chairman, Search Committee, Department of Pathology, School of Veterinary Medicine, University of California, Davis, CA 95616.

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

ASSOCIATE PROFESSOR—CLINICAL PATHOLOGY/PREVENTIVE MEDICINE Teach preventive medicine, microbiology, parasitology. Develop system to study liver stages of P. falciparum; P. ovoi, and malaria; characterization and microbiology, seroepidemiology, and other microbes. Develop diagnostic tests. $56,363 per year. M.D. with 3 years of research experience in parasitology. Board certification in clinical pathology and publications required. Send curriculum vitae to: Peter Perine, M.D., Civilian Personnel, Uniformed Services University of the Health Sciences, 4301 Jones Bridge Road, Bethesda, MD 20814-4799.

BIOCHEMIST MANAGER
Reference laboratory has opening for Department Manager in Peptide Hormone Section. Position will involve research and development work along with technical and personnel management. Applicant must be Ph.D. level biochemist or chemical scientist with strong background in all phases of peptide immunoassays, including developmental work. Salary dependent on job experience. Excellent job benefits program. Send resume and salary history to: Box 16, SCIENCE.

BIOCHEMIST MANAGER
Leading reference laboratory seeks Ph.D. biochemist or equivalent with strong background in steroid hormones and related assay procedures. Position involves research and development work along with technical and personnel management and training and supervision. Salary dependent on experience. Excellent job benefits. Applicants with appropriate background, send resume and salary history to: Box 17, SCIENCE.

BIOCHEMIST/PHYSIOLOGIST
The Division of Gastroenterology at Henry Ford Hospital, Detroit, Michigan, seeks qualified Ph.D. with 2 to 4 years of postdoctoral training and experience in transport physiology and molecular biology. The successful applicant will participate in ongoing research on the effects of bile acids and lipids on intestinal transport. The division is well supported by intramural and extramural funds. Academic appointment at affiliated institutions depending on qualifications. Please send curriculum vitae, research interests, and names of three references to: Helmut V. Ammon, M.D., Division Head, Gastroenterology, Henry Ford Hospital, 2799 West Grand Boulevard, Detroit, MI 48202.

BIOLGIST: Tenure-track position for a broadly trained Ph. D. with a strong background in biochemistry and physiology anticipated for fall term, 1987. Candidates should be able to teach human anatomy/physiology, organInflaterate, veterinary physiology, and zoology. Must be able to work with small, church-related, liberal arts college in a rural setting. Send letter, resume, and references to: Dean J. A. Knight, Erskine College, Due West, SC 29639.
Project Leader
Vascular Pharmacology

Berlex Laboratories, Inc. is a rapidly growing pharmaceutical company located in Northern New Jersey doing important basic cardiovascular research. We have an opening for a Senior Scientist to organize and lead a vigorous research program in vascular pharmacology. The Project Leader will manage a staff of both junior and senior scientists and undertake new drug discovery efforts and basic research in vascular pharmacology and physiology.

The successful applicant will have a Ph.D. in Physiology or Pharmacology with at least five years of postdoctoral experience in the area of vascular smooth muscle biology or congestive heart failure and an interest in both research and research management.

Berlex offers a stimulating environment with opportunity for personal challenge and growth. Contact Jay R. Wiggins, Ph.D., Associate Director, Department of Pharmacology, Berlex Laboratories, Inc., 110 East Hanover Avenue, Cedar Knolls, New Jersey 07927. An Equal Opportunity Employer M/W/H.

BERLEX Laboratories Inc.

RESEARCH BIOLOGISTS

Wyeth Laboratories’ Radnor facility is a major pharmaceutical company’s center for R&D. As part of a major, on-going expansion, we require additional Research Molecular Biologists:

Molecular Virologist
A position is available in Wyeth’s expanding AIDS vaccine program. A Ph.D. in Microbiology, Biochemistry, or Molecular Biology is required with strong post-doctoral experience in molecular virology of animal DNA viruses or retroviruses. The successful candidate should be highly skilled in virology with special emphasis in molecular genetics and recombinant DNA technology.

Nucleic Acid-Sequencing Biochemist
A position is available for Ph.D. with a strong background in nucleic acid sequencing, oligonucleotide synthesis and gene assembly. Strong post-doctoral work and demonstrated ability are essential.

Research Immunologist
An Immunologist with expertise in immune responses to viral infections to play a key role in the development and testing of genetically engineered viral vaccines. Candidates should have a Ph.D. with strong post-doctoral experience, and skill in in vivo animal models.

You will enjoy working in our modern, well-equipped facilities in Philadelphia’s prestigious Main Line suburban area. Besides an environment which fosters discovery, we offer a competitive salary, excellent benefits, and superior career opportunities.

Respond immediately by forwarding your CV and salary requirements, in confidence, to: Recruitment Manager, Wyeth Laboratories, Inc., P.O. Box 8299, Philadelphia, PA 19101. Equal Opportunity Employer. M/F/H/V responses encouraged.

Molecular Immunologist

Biosensor Breakthrough

Molecular Devices Corporation patented revolutionary silicon sensor technology last May. Our proprietary approach allows on-site analyses of ions, enzymes, drugs, proteins, and bacteria on the same sensor within minutes.

Microbiologist
We are seeking a PhD or MS Microbiologist to investigate and develop a proprietary system combining chemistry and instrumentation for the detection of bacterial and viral pathogens. Three-plus years' experience with generation and application of monoclonal antibodies to diagnostic procedures, as well as strong clinical microbiology background is desired.

To apply, please send your résumé to Human Resources, Molecular Devices Corporation, 3180 Porter Drive, Palo Alto, CA 94304. An equal opportunity employer.

Molecular Devices

Wyeth Laboratories
BIOCHEMIST VISITING ASSISTANT PROFESSOR (Advanced Rank possible in exceptional circumstances)

Applicants with backgrounds in biochemistry, development, and cellular biology are desired. Teaching responsibilities will include courses in biochemistry, development, and cellular biology/biochemistry. This is a 3-year visitation position which requires a Ph.D. degree. Postdoctoral experience is desirable for successful candidates. The Department maintains a commitment to the unified conception of biochemistry and is a short standard of excellence. Candidates may independently initiate research projects and must show both outstanding research potential and excellence in teaching. Interest in general biochemistry, as evidenced by willingness to teach a four-field introductory biochemistry course at least occasionally, is desirable. Ph.D. required. Deadline 15 October 1987. Send letter of application, including curriculum vitae with names and addresses of three references to: Professor Henry W. Art, Chairman of Department, Colby College, Waterville, Maine 04901. The College is an Equal Opportunity/Affirmative Action Employer.

LOCK HAVEN UNIVERSITY

BIOCHEMIST/ORGANIC CHEMIST FACULTY POSITION, full time, tenure-track, will be available at the assistant or associate professor level starting in September 1987. This is a 9-month chemistry position in the chemistry department that requires prior college teaching. Candidate must be competent to teach undergraduate level courses in biochemistry, qualitative organic chemistry, and must be competent in the use of traditional chemical instrumentation. Excellence in and enthusiasm for undergraduate instruction is of primary importance. The University has a history of enrolling over 2600 students, and is one of fourteen state universities. Rank and salary commensurate with qualifications. Excellent fringe benefits. Send letter, curriculum vitae, copies of teaching evaluation forms, and names, addresses, and telephone numbers of at least three professional references to: Alfred Hoberman, Chairman, Department of Chemistry, Lock Haven University, Lock Haven, Pennsylvania 17745, by 20 March 1987. Lock Haven University is an Equal Opportunity/Affirmative Action Employer. FULL-TIME ACADEMIC POSITION (Tenure Track) at LOCK HAVEN UNIVERSITY in the Department of Chemistry.

BIOCHEMISTRY FACULTY POSITION AT UNIVERSITY OF WISCONSIN—MADISON

The Department of Biochemistry at the University of Wisconsin—Madison invites applications for a position as assistant, associate or full professor in the areas of molecular biology, cell biology, and the molecular basis of disease. The University is committed to the development of a state-of-the-art facility for growing organisms. The successful candidate will be expected to take a leading role in the development and administration of this facility. Applications, including a complete curriculum vitae and plans for future research, should be sent to: Dr. W. S. Reznikoff, Department of Biochemistry, University of Wisconsin—Madison, Madison, WI 53706, and candidates should have letters sent from three people familiar with them and their work. Applications should be received by 15 April 1987 in order to guarantee consideration. The University is an Equal Opportunity/Affirmative Action Employer, and applicants are encouraged from women and minorities.

COASTAL MARINE SCIENTIST. Tenure-track assistant professor in Marine Science beginning August, 1987. Ph.D. in a field involving physical or geological aspects of the oceans is required. The candidate will be involved in a strong and developing undergraduate Marine Science degree program and offers an opportunity for individual research development in association with the Belle W. Baruch Marine Field Laboratory. Send curriculum vitae and names of three references postmarked by 28 February 1987 to: Dr. Janice L. Munk, Associate Dean, Coastal and Marine Science, College of Marine Science, University of North Carolina at Wilmington, 3000 University Blvd., Wilmington, NC 28403. The University is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF TORONTO

CHAIRMAN—DEPARTMENT OF PHARMACOLOGY

The University of Toronto is seeking a chairman of the Department of Pharmacology. The successful candidate must qualify for the rank of professor and hold an M.D. or Ph.D. degree. Duties include the provision of academic leadership in research and teaching, and responsibility for overall departmental administration. The candidate should have a record of outstanding research in pharmacology and a closely related discipline. Preference will be given to individuals with familiarity in mammalian pharmacology and with modern biological research techniques, especially at the molecular level. The University of Toronto encourages qualified women and members of minority groups to apply. Applications, including curriculum vitae, should be forwarded to: Dr. Keith L. Moore, Associate Dean, Basic Sciences, University of Toronto, Toronto, Ontario, Canada M5S 1A8 as soon as possible. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

JOHN W. CAMPBELL,
Chairman, Department of Pharmacology,
University of Toronto.
QUEEN ELIZABETH II AWARDS

The Australian Government has established the National Research Fellowships—Queen Elizabeth II Awards to replace the previous Queen Elizabeth II Fellowships and Queen's Fellowships Schemes. Under this Scheme, 15 awards will be made annually. Fellowships may be taken up in industry, universities, colleges of advanced education or government research organisations in Australia and are normally for two years. Tenure of a Fellowship is expected to commence within nine months of the announcement of the award. The awards are for high quality research work in one of the three categories described below:

1. FUNDAMENTAL RESEARCH
2. INDUSTRY BASED RESEARCH
3. RESEARCH IN PRIORITY AREAS OF NATIONAL INTEREST

QUALIFICATIONS: Fellowships will be awarded to persons holding a PhD or equivalent qualification, or equivalent research or professional experience in one of the disciplines available under the National Research Fellowships Scheme. The decisions regarding equivalent qualifications will be made on a case by case basis. Recommendations for the award of Fellowships will be made to the Minister for Science by an Advisory Committee. Awards will, in general, be restricted to applicants who are not more than 30 years of age when applications close, but consideration will be given to older people with less than five years post doctoral experience who have had an interrupted or late start to their academic career.

ELIGIBILITY: Fellowships will be awarded on merit to suitably qualified persons. 

SALARY: $29,110 (Australian) per annum—increased to $31,605 per annum at age 28 years.

TRAVEL EXPENSES: Necessary travel expenses are payable.

APPLICATIONS: Persons interested in applying for the above fellowships should obtain application forms and a statement of the conditions of award form: Executive Officer, National Research Fellowships Scheme, Department of Science, PO Box 65, Belconnen, ACT, 2616, Australia.

The next round of awards will be announced in October 1987. Applications received after the closing date of 17 April 1987 will not be considered.

OPPORTUNITIES TO RESEARCH AND DEVELOP NEW & IMPROVED DIAGNOSTIC PRODUCTS

As a result of sustained growth and a firm commitment to the future, Fisher Diagnostics is seeking talented, hard-working professionals to fill highly-visible positions which offer great career potential within Fisher Scientific/Instrumentation Laboratory Medical Division.

BIOCHEMIST/Coagulation: Requires MS or Ph.D. in Biochemistry with special emphasis on protein chemistry and enzyme kinetics. A strong background in coagulation biochemistry as well as hands-on experience with diverse instrumentation necessary.

CLINICAL CHEMISTS/Immunohemistry: Several openings requiring BS, MS or Ph.D. in Biochemistry, Immunology, Microbiology, Virology (or related fields). Work on development of immunoassay diagnostic test kits. Experience with latex or other similar systems.

BIOMEDICAL/CHEMICAL ENGINEER: MS or Ph.D. in Chemical or Biomedical Engineering desired to develop fluid flow synthetic membrane filtration systems for use in solid phase immunoassay. Experience in enzyme/protein immobilization and immunology desirable.

Our laboratories are based in ORANGETBURG, NEW YORK, located on the west side of the Hudson River...within 30 minutes of New York City. Interested candidates should forward their resume which must include salary history and requirements.

INDICATING AREA OF EXPERTISE, in strictest professional confidence, to: Personnel Manager, Fisher Diagnostics, 526 Route 303, Orangetburg, New York 10962. An equal opportunity employer m/f/h.

Fisher Scientific Group, Inc.
Fisher Medical Division

Project Leader

Genetic Systems Corporation, a division of Bristol-Myers, performs research dedicated to pursuing novel approaches to the development of diagnostic and therapeutic products in the areas of immuno-logy, infectious diseases and cancer.

The position involves coordination of development of HLA-related immunoassay. Proven management and organizational skills and background in immunoassays essential. Experience with FDA submissions preferred. Job will involve product development responsibilities as a member of a strong scientific team.

Qualified candidates should possess an advanced degree or equivalent experience. For consideration, please send your curriculum vitae to: Personnel, Genetic Systems Corporation, 3005 First Avenue, Seattle, WA 98121.

Genetic Systems Corporation offers a creative work environment, competitive salaries and an excellent benefit package. EOE/AA.

Goddard Space Flight Center
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DIRECTOR OF SPACE AND EARTH SCIENCES

Scientific leader of NASA's largest Space Science organization

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Laboratory for Oceanics
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Laboratory for Extraterrestrial Physics

Goddard Institute for Space Studies (New York)
2 Divisions
Space Data and Computing Division
Administration and Resources Management Division

2 Project Management Offices
Cassini Dynamics Project
Orbiting Satellites Project

Reporting to the Director, Goddard Space Flight Center, the position is in the Senior Executive Service: salary range is $61,296-72,300, depending upon qualifications.

Candidates must have a Ph.D. or equivalent education or experience, and a research background in space and/or earth sciences including a substantial record of publications and/or significant responsibility for guidance of the scientific content of major programs in the space and/or earth sciences. Candidates must have demonstrated the ability to provide interdisciplinary program leadership, and to direct and participate in programs and projects in a broad spectrum of theoretical and experimental research in the space and/or earth sciences. A familiarity with the content, objectives and purposes of NASA's scientific program is highly desirable.

A Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers or from the address below), should be sent to NASA/Goddard Space Flight Center, Attention: Ms. Arlette Love, Code 221, Greenbelt, Md. 20771. Applications will be accepted through March 31, 1987.

For further information and application forms, please call 301-286-6319 (Ms. Arlette Love)

U.S. CITIZENSHIP REQUIRED
AN EQUAL OPPORTUNITY EMPLOYER

GSFC
DEPARTMENT OF PATHOLOGY
HENRY FORD HOSPITAL
TUMOR IMMUNOLOGY AND CELL CYCLES

Two positions are available for directing laboratories of tumor immunology and cell biology. The candidates would be expected to collaborate with current programs in tumor immunology and cell biology and develop new programs. The tumor immunology laboratory requires experience in antigen and antibody characterization and monoclonal antibody development. The cell biology laboratory requires experience in cell isolation, culture and characterization. Ph.D. students and postdoctoral fellows are encouraged to apply. Applicants should forward curriculum vitae and names of three references to: Kenneth A. Greenwald, M.D., Ph.D., Chairman, Department of Pathology, Henry Ford Hospital, 2799 West Grand Boulevard, Detroit, MI 48202.

FACULTY POSITION: PHARMACEUTICAL SCIENCES UNIVERSITY OF SOUTHERN CALIFORNIA (USC). Applications are invited for a tenure-track ASSISTANT PROFESSOR position at the University of Southern California School of Pharmacy. The Department of Pharmacology seeks candidates with a research focus in the area of drug metabolism. The initial appointment will be at the rank of Assistant Professor with the potential for promotion to Associate and Full Professor. The position is located in the Division of Molecular Medicines, which includes laboratories with expertise in tumor pharmacology, immunology, and cell biology. The successful candidate will be expected to develop an active research program and contribute to the educational mission of the University. The application should include a cover letter, curriculum vitae, a description of planned research, a statement of teaching philosophy, and three letters of recommendation. Applications should be submitted by March 15, 1987. Please submit curriculum vitae, statement of research objectives and the names of three references by 30 March 1987 to: Jordan L. Cohen, Ph.D., USC School of Pharmacy, 1805 Zonal Avenue, Los Angeles, CA 90033-1086. Equal Opportunity Employer

FACULTY POSITION UNIVERSITY OF WISCONSIN - MADISON ENTOMOLOGY/ECOLOGY

The Department of Entomology, University of Wisconsin-Madison, is accepting applications to fill a full-time, tenure-track, research-teaching position in insect ecology. Ph.D. in entomology or related biological sciences required with primary experience in biology and ecology and a strong secondary background in either entomology, ecology, or a related field. The position is available immediately. Salary is commensurate with experience and qualifications. Please send letter of intent, curriculum vitae, and three letters of reference to: J. A. Wyman, Department of Entomology, 237 Russel Laboratories, University of Wisconsin, Madison, WI 53706.

FACULTY POSITION IN MOLECULAR VIROLOGY AND MOLECULAR IMMUNOLOGY

Two tenure-track positions at ASSISTANT/ASSOCIATE PROFESSOR levels in an expanding department that emphasizes research and graduate student training in virology and molecular immunology are available. The Molecular Virology and Molecular Immunology Group at the University of Minnesota is seeking candidates with experience in (i) molecular biology of RNA viruses, retroviruses, AIDS, or oncogenes, or (ii) molecular immunology, immunogenetics, immunoregulation, and so forth. Candidates with expertise in other areas of virology or immunology will be considered. Successful candidates will participate in an active research program, direct graduate students, and participate in teaching undergraduate and graduate students. Competitive salary, generous seed funds, and technical support will be available. A Ph.D. or equivalent degree is required, with a strong research record. Applicants should submit a letter of application, a curriculum vitae, statement of research interests, and names of three references to: Dr. Dennis J. O'Callaghan, Professor and Head Department of Microbiology and Immunology Louisiana State University Medical Center, P.O. Box 33932. Shreveport, LA 71130.

HERPETOLOGIST/VERTEBRATE ZOOLOGIST
AUBURN UNIVERSITY

Applications are invited for an assistant or associate herpetologist or vertebrate ecologist position available in September 1987. Candidates should have Ph.D. in biological science with emphasis in herpetology, evidence of potential teaching excellence, and demonstrated accomplishments in a field-oriented research program. Responsibilities will include teaching courses in natural history of vertebrates and herpetology, developing a research program in herpetology, directing graduate students, and curating the departmental herpetological collection. Women and minorities are encouraged to apply. Interested persons should send curriculum vitae, names of five references, and a description of research plans by 15 March 1987 to: Dr. John Pritchett, Head, Department of Zoology, Auburn University, Auburn, AL 36849-4201. An Equal Opportunity/Affirmative Action Employer.

IMMUNOLOGIST/NEUROBIOLOGIST
ASSISTANT PROFESSOR IN BIOLOGY

One tenure-track position available September 1987 in either immunology or neurobiology. Either requires development of a laboratory course program and would also participate in teaching animal physiology. Responsibilities may include involvement in introductory biology lecture courses. Candidates should have a Ph.D., postdoctoral experience, and an active research program that involves undergraduates are required. Letter of application, curriculum vitae, most recent reprints, and three letters of recommendation. Include a one-page statement of research interests, and names, addresses, and phone numbers of two reference. Send application to: Dr. J. F. Pankow, Department of Environmental Science and Engineering, Oregon Graduate Center, 19600 NW Von Neumann Drive, Beaverton, OR 97006. Closing date: 15 April 1987. Equal Opportunity Employer.

Oregon Agricultural Experiment Station: Oregon State University invites nominations and applications for the position of DIRECTOR OF OREGON AGRICULTURAL EXPERIMENT STATION AND ASSOCIATE DEAN, COLLEGE OF AGRICULTURAL SCIENCES. The Director and Associate Dean administer and lead the statewide agricultural research programs conducted in eight colleges on campus, nine branch stations and in associated research centers. The Director is a key member of the college's administrative team, working with the Dean and the Directors of Extension, Academic Programs, and International Agriculture. Qualifications include a Ph.D. degree in agriculture or a closely related field and experience in agricultural research and administration. The position is a 12-month, tenured appointment at the rank of professor. Salary will be commensurate with experience and qualifications. Position available 1 September 1987 or soon thereafter. Nominations due 6 April. Résumés and names of references from interested candidates due 15 April 1987. The search will be conducted on a continuing basis until an appropriate candidate is selected. The position is likely to be offered to an individual currently serving in a position of comparable status and responsibilities who will be sought out with the knowledge and consent of top candidates following screening of professional resumes and references by the Committee in the Office of the Dean, College of Agricultural Sciences, Oregon State University, Corvallis, OR 97331-2213. The full position announcement is available from Co. J. W. Pankow, Director, Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973. Women and minority candidates are especially encouraged to apply.

FACULTY POSITION UNIVERSITY OF WISCONSIN - MADISON ENTOMOLOGY/ECOLOGY

The Department of Entomology, University of Wisconsin-Madison, is accepting applications to fill a full-time, tenure-track, research-teaching position in insect ecology. Ph.D. in entomology or related biological sciences required with primary experience in biology and ecology and a strong secondary background in either entomology, ecology, or a related field. The position is available immediately. Salary is commensurate with experience and qualifications. Please send letter of intent, curriculum vitae, and three letters of reference to: J. A. Wyman, Department of Entomology, 237 Russel Laboratories, University of Wisconsin, Madison, WI 53706.
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MOLECULAR AND CELLULAR BILOGY OF LIPOPROTEINS AND APOPROTEINS. Applications for a 1- to 3-year postdoctoral appointment are invited from Ph.D. or M.D. graduates who have strong background in protein chemistry and cellular immunology. Research problem: regulation of early events in lymphocyte activation and proliferation. Stipend: $16,000.00, with increments with relevant experience. Send a current curriculum vitae, representation publica-
tions, and the names of three references to:

J. A. K. Harmony, Director
Division of Lipoprotein Research
Department of Pharmacology and Cell Biophysics
College of Medicine
University of Cincinnati
Cincinnati, OH 45267-0575


A position is available for a PHARMACOKINETIST or for an ENGINEER PHYSICIST interested in starting a career in biomedical science. It concerns the mass transport measurement of fluorescent substances through the eye tissue and relating their diffusion to their chemical properties. There will be opportunities for collaborating on other problems concerned with the physical properties of the eye that arise in the laboratory. Apart from the computing skills required in the treatment of the main problem, it would be an advantage to have training or experience in physical chemistry, optics, and electronics. Contact: Dr. D. Rau-
der, 8030, Stanford University Medical Center, Stanford, CA 94305. Stanford University is an Equal Opportu-
osity/Affirmative Action Employer.

Ph.D. PROGRAM IN PHYSIOLOGY at Louisiana State University Medical Center (LSUMC) in New Orleans offers training in: shock and trauma, endocri-
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yogy, LSUMC, 1830 Perdido, New Orleans, LA 70119. Telephone 504-948-8541. LSUMC is an Equal Opportunity/Affirmative Action Employer.

PHYSIOLOGIST, CARDIOVASCULAR, needed to fill a tenure-track assistant professorship. Teaching profi-
ciency essential. Send inquiries and applications to: D. E. Magee, Creighton University Medical School, Omaha, NE 68178.

POSITIONS OPEN

MOLECULAR BIOLOGISTS/BIOCHEMISTS write to: Dr. F. F. Edrants, Department of Neurology, Louisiana State University Medical Center, New Orleans, LA 70119 for information on tenure-track positions in Neurobiology. The Department of Pathology, School of Medicine, SUNY at Buffalo invites applications for tenure-track positions in Neurobiology. Position opening is expected in the summer of 1987. Interested candidates should send a letter of application, curriculum vitae, and names of three references to: Dr. Peter Burgoyne, Department of Neurobiology, Northeastern University, Boston, MA 02115. EQUAL OPPORTUNITY EMPLOYER.

POSITIONS OPEN

NEUROSCIENCE FACULTY

The University of California San Francisco (UCSF) Departments of Otolaryngology and Physiology are actively seeking a candidate whose primary research interest is in the organization and function of the vertebrate central nervous system for a tenure-track appointment at the juncture of neurobiology and medical microbiology. The candidate is expected to develop and maintain a research program involving interaction with undergraduate students. Gonzaga University is a selective, coeducational institution located in the Pacific Northwest. Send curriculum vitae, transcripts, description of research program and three letters of recommendation by 15 March 1987 to: R. D. Fursch, Biology Department, Gonzaga University, Spokane, WA 99258. An Equal Opportunity Employer.

PEdiATRIC GENETIC PROFESSORSHIP

The Department of Pediatrics of the University of Arizona Medical Center is seeking a faculty member to fill an Endowed Professorship in Genetics and Inherited Diseases. Responsibilities include teaching, clinical service, and research in areas such as hereditary diseases, cancer, and other genetic and congenital disorders. The University of Arizona is an Affirmative Action/Equal Opportunity Employer. All inquiries should be addressed to: Otakar Koldovsky, M.D., Professor, Pediatrics, Department of Pediatrics, University of Arizona, 4 North Campbell, Tucson, AZ 85724; telephone: 602-626-
6626. Closing date is 30 June 1987 or until position is filled.

POSTDOCTORAL POSITION available immediately in the areas of protein engineering and structure-function relationships using multidisciplinary approaches including recombinant DNA technology (site-directed mutagenesis), protein chemistry/biochemistry, computer-aided molecular modeling, biophysical methods (NMR spectroscopy), etc. Ph.D. with strong background in minimum one of these areas required. Current research involves: (i) genetic engineering of new recombinant protein, and (ii) protein structure. Contact: Dr. Maria T. Mas, Beckman Re-
search Institute of the City of Hope, Division of Biological Science, 1450 East Duarte Road, Duarte, CA 91010; telephone: 818-577-9111, extension 2432.

POSTDOCTORAL POSITION presently available for the investigation of mouse IgA responses. Opportunity to prepare and work with T-cell clones and hybridomas. Applicant must be U.S. citizen or permanent resident. Eligible for NIH stipend at a level from 0 to 5 years postdoctoral. Submit curriculum vitae and the names, addresses and telephone numbers of three references to: Dr. Julia M. Philpot, Department of Pharmacology, University of California Medical Center, 550 First Avenue, New York, NY 10016.

POSTDOCTORAL POSITION

Postdoctoral position available immediately to study the biochemical basis of information processing in the mammalian auditory nervous system. Project includes (i) biochemistry and measurement of transmitter synthesis, storage, release, and inactivation in auditory pathways, and (ii) light microscopic localization of cell groups using particular transmitters with histological and radio-
autographic methods. Possibility for collaboration with interdisciplinary neuroscience group. Ideal for recent Ph.D. in neuroscience, biochemistry or that area of neurobiology. Salary depends on experience. Send resume, summary of research interests, and names of three references to: Dr. Steven J. Potashner, Department of Anatomy, Uni-

POSTDOCTORAL POSITION available immediately to investigate control of peripheral vascular function and sex differences in vascular disease in women. Ph.D. or M.D. with experience in cardiovascular physiolog-
y or pharmacology. Please send curriculum vitae, recent reprints, and names of three references to: Dr. Robert Freed-
man, Ph.D., Director, Behavioral Medicine Labora-
tory, Wayne State University School of Medicine, Fistase Clinic, 951 East Lafayette, Detroit, MI 48207. (Please note address change.)
Senior Research Technicians
Molecular Genetics, Inc., a leading biotechnology company, has two positions open at the Senior Research Technician level:

Research Entomologist
Applicants should hold an M.S. or B.S. with a minimum of 3 years research experience beyond the degree.

Qualified applicants must have either 1) an entomology degree with biochemistry or chemistry experience or 2) a biochemistry or chemistry degree with a background in insect biology. Experience with insect rearing and breeding, and familiarity with statistical analysis is desirable.

Immunologist
Applicants should hold an M.S. or B.S. in immunology or a related field with 3 years of research experience beyond the degree. Qualified applicants must be proficient in serologic techniques including EIA, Western Blot, conjugate preparation and antigen quantitation. Preference will be given to candidates having experience with antiserum delivery systems and/or a pharmacology background.

Molecular Genetics, Inc. offers a competitive salary and benefits package and a stimulating multidisciplinary research environment. Applicants should state the position of interest and submit a resume and list of three references to: Human Resources, Molecular Genetics, Inc., 10250 River Road East, Millstone, NJ 08534. An Equal Opportunity/Affirmative Action Employer

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DEAN
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Applications and nominations are invited for the position of Dean of the College of Engineering. Candidates should have credentials to merit appointment as a tenured faculty member in the College, experience in teaching and research in an academic environment, leadership ability, demonstrated administrative and managerial skills, and fund raising experience.

The College of Engineering offers undergraduate and graduate programs in 11 majors in addition to two-year associate degree programs in 14 areas of engineering technology. The College currently enrolls 5,050 baccalaureate, 650 graduate, and 1,400 associate degree students. There are 256 FTE faculty positions at the University Park Campus and 125 at the Commonwealth Campuses. The budget for 1985-86, including research, is over $30 million.

The Search Committee will begin to review applications in February and continue to receive them until a candidate is selected. Nominations and letters of application, accompanied by a current curriculum vitae and other supporting materials, should be mailed to:

Chair, Engineering Dean Search
The Pennsylvania State University
Office of the President
Room 201, Old Main, Box SCI
University Park, PA 16802

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Information Scientist Literature Searcher

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Participate in the monitoring and auditing of clinical, toxicological, and preclinical studies. Qualified applicants should possess a Bachelor's degree in the sciences and have a minimum of 1 year of clinical monitoring experience with drugs or biologics. Proficiency in communication skills as well as a willingness to travel are essential. Computer skills with common software packages are desirable. Dept. 116

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MOLECULAR BIOLOGIST. Associate Professor, B.S., Ph.D., and D.M. with national funding and expertise in molecular biology of human oncogenic viruses to develop research and teaching programs. Send curriculum vitae, references, and three references to: David T. Finnegan, M.D., Chairman, Pathology and Microbiology, University of Nebraska Medical Center, 42nd and Dewey Avenue, Omaha, NE 68105. An Equal Opportunity/Affirmative Action Employer.

MOLECULAR BIOLOGIST. Instructor-Assistant Professor, Ph.D., M.D., or M.S. in research and teaching. Send curriculum vitae, references, and three references to: David T. Finnegan, M.D., Chairman, Pathology and Microbiology, University of Nebraska Medical Center, 42nd and Dewey Avenue, Omaha, NE 68105. An Equal Opportunity/Affirmative Action Employer.


MOLECULAR NEUROBIOLOGIST. Associate Professor, B.S., Ph.D., and D.M. with expertise in molecular and cellular biology to conduct research and teaching programs. Send curriculum vitae, references, and three references to: Dr. Michael McGiff, Chair, Department of Neurobiology, University of Alabama, Birmingham, AL 35294. An Equal Opportunity/Affirmative Action Employer.

MOLECULAR NEUROBIOLOGIST. Associate Professor, B.S., Ph.D., and D.M. with expertise in molecular and cellular biology to conduct research and teaching programs. Send curriculum vitae, references, and three references to: Dr. Michael McGiff, Chair, Department of Neurobiology, University of Alabama, Birmingham, AL 35294. An Equal Opportunity/Affirmative Action Employer.

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POSTDOCTORAL RESEARCH ASSOCIATE position in neuroanatomy, available immediately for 2 years, extendable to 3.5 years. Project: optic tract plasticity and organization in monkeys. Candidate must be prepared to study single axon morphology in developing and mature animals. Parallel studies include analysis of protein synthesis and use of molecular markers. Salary negotiable. Send curriculum vitae and names of three references to: Dr. G. B. Schneider, Massachusetts Institute of Technology (MIT), E25-634, Cambridge, MA 02139. MIT is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE to study development of innervation of mammalian skeletal muscle fibers using electrophysiology and immunohistochemistry. Prior training in neurobiology, cell biology, and molecular biology required. Send curriculum vitae and names of three references to: Dr. Michael J. Waughovitch, Section of Gastroenterology, University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Blvd., Dallas, TX 75390. University of Texas Southwestern Medical Center at Dallas is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITION GASTROINTESTINAL ONCOLOGY

Three-year position available immediately to Ph.D. in biochemistry, cell biology, or molecular biology to study new cancer chemotherapeutic agents with focus on gastrointestinal cancers. Applicants should have knowledge of animal models for carcinogenesis. Send curriculum vitae and names of three references to: Dr. Michael J. Waughovitch, Section of Gastroenterology, University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Blvd., Dallas, TX 75390. University of Texas Southwestern Medical Center at Dallas is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL TRAINING IN PLANT MOLECULAR BIOLOGY MOLECULAR BIOLOGY, BIOCHEMISTRY, AND GENETICS

The Plant Gene Expression Center (PGEC) in Albany, California, sponsored by USDA’s Agricultural Research Service and the University of California, Berkeley, invites applications for the position of Postdoctoral Research Associate for studies on plant signal transduction and gene regulation. Potential candidates should have a Ph.D. in plant biology, biochemistry, molecular biology, or genetics. Salary is commensurate with experience and linked to a range of $32,000 to $42,000. For information on the research program and/or positions, telephone: Dr. Robert L. Clark, 805-734-7592. Or write: University of California, Department of Plant Biology, University of California, Berkeley, CA 94720. University of California, Berkeley is an Equal Opportunity Employer.”

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

POSTDOCTORAL 2-D NMR—To solve the solution structure of small (MW 6,000-10,000) proteins involved in blood coagulation phenomena. Facilities include Bruker 500, MSL 300, several 200, 300 MHz. Candidate should have experience in 2-D NMR of macromolecules. Available: 1 Mar 1987. Please submit curriculum vitae, reprints, and to three references to: Professor L. V. Berliner, Department of Chemistry, Ohio State University, 120 West 18 Avenue, Columbus, OH 43210; telephone: 614-292-0184.

PRECLINICAL RESEARCH SCIENTISTS

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You will develop specialized receptor methodology, conduct purification, characterization and ligand binding interactions with receptors. A strong background utilizing in vitro procedures of platelet testing, cellular responses to inflammatory mediators and knowledge of immunology is required. You should have a Ph.D. in biochemistry, immunology or an associated discipline, with at least 3 years’ experience demonstrating a substantial record of publication and research accomplishment.

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You will participate in the pharmacological evaluation of new compounds in the prevention of autocoid and antigen-induced bronchoconstriction. Position will entail in vivo assessment of lung mechanics, as well as analyses in various animal species, including primates. A Ph.D. in physiology, pharmacology or a related discipline is required, with 1-3 years’ experience in pulmonary physiology and surgical techniques.

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You will develop in vivo approaches to diseases mediated by gram-negative sepsis, in such areas as gastrointestinal, ocular, and pulmonary. Knowledge of underlying mechanisms and mediators of endotoxemia, appropriate animal models and quantification of therapeutic regimes is required. A Ph.D. in immunology, pathology or a related discipline, with 0-3 years’ experience and a strong interest in publishing is essential.

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Please send resume including position number you are applying for with salary requirements to:

Mr. Joseph P. Castellano
Director of Human Resources (403/1)
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BIOCHEMIST: Work semi-independently in the investigation of pharmacogenetic determinants responsible for inter-individual differences in drug efficacy and toxicity. This will include in vivo and in vitro metabolomics, enzyme kinetics and inhibition studies. In vivo and in vitro toxicity in animals and drug disposition studies in humans will also be performed. The successful candidate will have a BS or MS degree in the chemical or biological sciences, and at least 2 years of relevant experience. Training and background in conducting in vivo and in vitro drug metabolism studies, including a working knowledge of modern tools for separation and physico-chemical analyses (HPLC, GC, GC/MS, radiochemical techniques) are highly desirable. Position number is 20478-A.

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to join our highly skilled staff in Emeryville and participate in a variety of challenging programs. Opportunities exist in the following areas:

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Successful candidates will conduct experiments in one of the following areas: microbial physiology; fermentation development; protein purification/characterization; or production of recombinant proteins, enzymes or chemicals. Positions require a BS/MS in microbiology, microbial physiology or biochemistry and relevant experience.

**PROTEIN CHEMISTRY**

Positions are available entailing purification and characterization of native proteins from mammalian cell supernatants, recombinant proteins from eukaryotic and prokaryotic sources, bacterial enzymes, or immunotoxins. A BS/MS plus experience in protein/enzyme isolation, HPLC, gel electrophoresis and column chromatography is required.

An additional opportunity exists for an individual skilled in protein structural analysis in a laboratory equipped with ABI 470A and Beckman 890c sequencers, and Beckman 121MB/6300 amino acid analyzers. The successful candidate will possess a BS/MS with experience in amino acid analysis and sequence determination.

Please send your resume in confidence to:

**CETUS CORPORATION**

Box KRS
1400 Fifty-third Street
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**DEPUTY DIRECTOR FOR TECHNICAL OPERATIONS**

The Princeton Plasma Physics Laboratory, one of the world's leading laboratories engaged in the development of magnetic fusion as an inexhaustible energy source, seeks a Deputy Director for Technical Operations who will be responsible for the Laboratory's major experimental projects—TFTR, PBX, and smaller machines—the proposed new CIT device, and the facilities and activities that support these projects.

The principal responsibilities of the Deputy Director will include the management of day-to-day technical operations in accordance with the Laboratory's research program, the construction and maintenance of experimental facilities, and the allocation of support facilities and personnel.

The essential qualifications for this position are broad experience in advanced technologies, and an international reputation for the successful management of large technical enterprises. Other requirements are familiarity with government operations and procedures, particularly those concerned with the support of scientific projects, and experience with the interactions of academic, industrial, and FFR&D institutions.

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**Dr. Harold P. Furth, Director**
Princeton Plasma Physics Laboratory
Post Office Box 451
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research associate position available as soon as possible for Ph. D. in biochemistry or a related field to study interactions of neurotransmitters (dopamine) in the functional integrative process of the limbic system and the cerebellar peduncle of young and adult rats. The position is located at the University of Victoria, Vancouver, B.C. and is available January 1, 1987. Application deadline is October 15, 1986. Further information can be obtained from Dr. A. A. Kooijman, Department of Pharmacology, University of Victoria, PO Box 3015, Victoria, B.C., Canada. V8W 2Y2.

research biochemists

research assistant professor and research associate positions available in biochemical or molecular genetics of mitochondrial enzymes in organelles. The research is aimed at understanding the structure and function of these enzymes, and to identify potential therapeutic targets. Applications are invited from qualified candidates with a Ph.D. in Biochemistry or a related field. The positions are available immediately. Further information can be obtained from Dr. J. M. Smith, Department of Biochemistry, University of British Columbia, Vancouver, B.C., Canada. Applications should be submitted by December 1, 1986 to be considered.

research faculty position

Applications sought for a position at the level of research assistant professor (non-tenure-track) at the Department of Biochemistry, Faculty of Medicine, University of British Columbia. Applicants must have a Ph.D. in biochemistry with several years of experience in purification of proteins, amino acid analysis, and mass spectrometry. Experience in the use of molecular biology techniques is also desirable. Salary will be commensurate with experience and qualifications. Interested applicants are invited to submit curriculum vitae, publication list and three references to: Dr. J. M. Smith, Department of Biochemistry, University of British Columbia, Vancouver, B.C., Canada. Applications should be submitted by December 1, 1986.

research scientist position

research scientist: perform research and develop new topical and oral dermatological formulations (creams, ointments, lotions, gels, and sprays) of drugs and ointments for existing products. Optimize stability and quality of these products using knowledge of biopharmaceutics and pharmacological principles. Ph.D. in pharmacology with a specialization in formulation developments using biopharmaceutics and physical chemical principles required. Salary will be commensurate with experience and qualifications. Interested persons should submit curriculum vitae and three references to: Dr. J. M. Smith, Department of Biochemistry, University of British Columbia, Vancouver, B.C., Canada. Applications should be submitted by December 1, 1986.
Ph.D. Immunopharmacologist

Procter & Gamble is seeking a Ph.D. research scientist to fill a position in product development. The applicant should have a Ph.D. in immunopharmacology, immunology, pharmacology, or biochemistry, with 0-2 years of postdoctoral experience. Requirements include a good understanding of research methods involved in in vitro and in vivo assessment of inflammatory disease states. Specific experiences will include studying the effects of novel compounds on enzymes involved in prostaglandin and leukotriene biosynthesis, as well as effects on macrophage, lymphocyte, chondrocyte, and synoviocyte functions. Background experience in the regulation of immune function by lymphokines and/or cytokines is desirable.

Besides offering a stimulating environment for professional growth, the Company provides a competitive employment package including paid relocation, and Company-paid health, dental, and profit sharing benefits.

Candidates must be U.S. citizens or hold a permanent resident visa. Resumes with publication lists should be sent to:

Dr. T. J. Logan, Manager Ph.D. Recruiting Immunopharmacologist Position
The Procter & Gamble Company Miami Valley Laboratories
P.O. Box 39175, Cincinnati, Ohio 45247

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RESEARCH ASSISTANTS

Several opportunities are currently available for Research Assistants to be involved in the following areas:

Process Development & Application

Applicants must possess a BS/MS in biochemical engineering plus an appropriate background in microbiological processing and large scale purification systems.

Product Improvement

Requires a BS/MS in biochemistry as well as experience with HPLC, gel chromatography and electrophoresis.

Immunology

Candidates must possess a BS/MS in biochemistry and hands-on experience in clinical chemistry and clinical serology.

Biochemistry

Applicants must possess background in bio-organic chemistry, protein modification and carbohydrate biochemistry.

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So, if you’ve been looking to combine career challenge with a better way of living, send your resume to us today! Please include salary history and forward to: Human Resources Dept., Connaught Laboratories, Inc., Route 611, P.O. Box 167, Swiftwater, PA 18370.

Connaught Laboratories, Inc. Committed to good health through effective immunology!

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TOXICOLOGIST

The Department of Veterinary Sciences, University of Wyoming, invites applications and applications regarding a full-time, tenured-track faculty position for a toxicologist to participate in teaching, independent and collaborative research, and diagnostic duties within the Department. Candidates should have D.V.M. and/or Ph.D. degree. Persons with board certification or eligibility in toxicology and experience in diagnostic toxicology will be given preference. Academic rank and salary are negotiable and will be commensurate with experience.

Applicants should submit curriculum vitae, two recent publications, and the names of three individuals from whom direct letters of professional reference can be requested. Applications will be accepted through 15 April 1987. For further information, contact: Dr. Malcolm Stephen, Chairman, Department of Veterinary Sciences, University of Wyoming, Laramie, WY 82071. Telephone: 307-742-6646.

VERTEBRATE ZOOLOGIST

A 1-year position starting fall 1987. Teaching assignments will be vertebrate embryology, vertebrate comparative anatomy, and general biology. Assistant professor—target level. M.S. degree required; Ph.D. preferred. College teaching experience and/or postdoctoral experience preferred. Send curriculum vitae, all transcripts, three letters of reference, and a brief statement of teaching philosophy to: Dr. Charles T. Dobbins, Chair, Department of Biology, University of Texas at Austin, 1 University Station, Austin, TX 78712. Equal Opportunity/Affirmative Action Employer.

VERTEBRATE ZOOLOGIST OR PHYSIOLOGICAL BIOLOGIST

Randolph-Macon College, a small liberal arts college committed to quality undergraduate teaching, has a tenure-track position in biology beginning September, 1987. The appointment is expected to be at the rank of assistant professor and the Ph.D. is required. Teaching duties include courses in general biology, physiology, and vertebrate field biology or marine biology, and the direction of undergraduate research. Send letter of application, curriculum vitae, transcripts, and three letters of reference by 15 March 1987 to: Dr. W. W. Martin, Chair, Department of Biology, Randolph-Macon College, Ashland, VA 23005. An Equal Opportunity/ Affirmative Action Employer.

POSITIONS OPEN

UNIVERSITY OF COLORADO AT BOULDER

The Institute of Cognitive Science invites applications for a TENURE-TRACK POSITION in the artificial intelligence group in the Department of Computer Science. Candidates should have demonstrated interests in Cognitive Science, with emphasis on connectionist models, knowledge-based systems, machine learning, and natural language processing. The University of Colorado provides a superb computational environment, including Symbolics, Hewlett-Packard, and Xerox AI workstations, and many VAX's, as part of a major commitment to AI research. Applicants should send résumés and three letters of reference to: Dr. Martha Pollack, Assistant Director, Institute of Cognitive Science, Campus Box 345, Boulder, CO 80309-0345. Applications should be received by 16 March 1987, to ensure consideration. The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity in all areas. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities and disabled individuals.

COURSES

ELECTRON MICROSCOPY (TEM/SEM): Biologi- cal Applications. Department of Biological Sciences, University of Colorado, Boulder. This research-oriented course familiarizes students with the basic techniques of TEM and SEM. Graduate credit and/or certificate awarded. Tuition: $850. Date: 29 June to 17 July 1987. Information and registration form contact: Dr. Dan Scheirer, Department of Biology, University of Wyoming, Laramie, WY 82071, telephone: 307-742-2266.

SYMPOSIUM

MOLECULAR MEDICINE AND BIOLOGY IN MAN AND OTHER MAMMALS

Seventh Charles River International Symposium at the Marriott Copley Place, Boston, Massachusetts, 4, 5, and 6 May 1987. For information contact: Mr. Gilbert M. Slater, Charles River Laboratories, Inc., 251 Ballardvale Street, Wilmington, MA 01887. Telephone: 617-658-6000 extension 334.

FELLOWSHIPS

AEHM RESEARCH FELLOWSHIPS IN THE BIOLOGICAL SCIENCES

The University of Calgary, Department of Biological Sciences, invites highly qualified researchers in medically relevant areas of the biological sciences. Successful candidates will be nominated for AEHM Postdoctoral Fellowships, which are funded in part by Alberta Heritage Foundation for Medical Research. The Foundation provides a salary and an establishment grant to set up a laboratory. Appointment will be at the assistant professor level with remuneration based on the salary scale at the University of Calgary (1986: $31,247 to $48,719). Award winners will be expected to devote at least 75% of their time to research activities. Limited teaching duties and participation in departmental affairs will be required.

Application deadline: 1 May 1987.

Applications should include a curriculum vitae, a brief description of their research objectives, and the names of three referees prior to 1 May 1987 to: Dr. James T. Dobbins, Ph.D., Department of Biological Sciences, University of Calgary, Calgary, Alberta, Canada T2N 1N4.

POSTDOCTORAL FELLOWSHIP IN IMAGING PHYSICS

A postdoctoral position is available in the diagnostic physics section of the Department of Radiology at the University of Calgary. The position involves radiographic imaging and the design and development of a prototype scanning imaging system as well as the complete system for photostimulable phosphor imaging. Familiarity with VAS VMS or UNIX is desirable. The position will focus on the application of the techniques in chest imaging and a strong background in experimental skills is sought. Interested parties should send résumé and three references to: Dr. J. T. Dobbins, Department of Radiology, University of Calgary, Calgary, Alberta, Canada T2N 1N4.

VISUAL SCIENCE RESEARCH FELLOWSHIPS

Predoctoral and postdoctoral fellowships are available on a competitive basis in the Department of Immunology/Microbiology at Wayne State University, School of Medicine. General research areas include: anatomy, biochemistry, cellular and molecular biology, clinical research, immunology, microbiology, neurobiology, virology and visual psychophysics. This interdisciplinary program is supported by an NIH Training Grant, and requires U.S. citizenship or permanent residency status. Predoctoral applicants having completed an optomathematics residency program may qualify for additional supplementation and are encouraged to apply. Program information can be obtained by writing: Dr. Paul C. Montgomery, Department of Immunology and Microbiology, Wayne State University, Medical School, 540 East Canfield Avenue, Detroit, MI 48201.

An Equal Opportunity/Affirmative Action Employer.
The Ohio State Biotechnology Center seeks six exceptionally innovative scientists to join its faculty at any academic rank. This Center will be composed of 30 new research groups, occupying a newly remodeled, 90,000 square foot building, and will coordinate biotechnology research programs conducted by research groups throughout this comprehensive university. The Center faculty will hold joint appointments with a basic or applied science department within one of the colleges.

The Center expects to develop three major research areas based on the current strengths within the university. The first area to be developed is designated “Plants, Microbes and their Interactions.” The university already has strong research programs in fungal molecular biology and plant-microbe interactions, and a group of talented young plant molecular biologists have recently joined the university. The six additional scientists will strengthen the research in this area and hold joint appointments in one of the academic departments in the College of Biological Sciences such as Microbiology or Molecular Genetics or in the College of Agriculture in departments such as Agronomy or Plant Pathology. Individuals with strong research programs in the molecular biology of either plants or microbes, are encouraged to apply.

As development of the Biotechnology Center proceeds, we will build on other areas to create an exciting environment for biotechnological research in this university, which has all of the basic and professional schools in one campus. Access to established graduate programs, modern research facilities, attractive start-up funds, as well as competitive salaries and benefits will be provided.

Columbus, the State Capital, is a growing metropolitan area of more than a million people situated within 500 miles of most of the major midwestern and eastern metropolitan areas of the U.S. and Canada.

Send nominations and applications including C.V., references and a brief statement of research plans to P. E. Kolattukudy, Director, Ohio State Biotechnology Center, Rightmire Hall, The Ohio State University, Columbus, Ohio 43210 by March 15, 1987.

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The Ohio State University

Drug Metabolism

The Department of Drug Metabolism at Smith Kline & French Laboratories, located in suburban Philadelphia, Pennsylvania, is seeking a qualified candidate to join an innovative, collaborative and expanding bioanalytical section.

Primary responsibilities will include the initiation and conduct of a basic research program in drug metabolism and/or an area of personal scientific expertise which will assist in the development and discovery of new drugs; study of the metabolism of novel pharmaceutical agents in laboratory animals and man; elucidation of the mechanism of formation of novel metabolic products; development of quantitative mass spectrometric/analytical methods for the analysis of pharmaceutical agents and their metabolites in biologic media; study of the pharmacokinetics of drug substances in animals and humans; and the publication of results in the scientific literature.

The successful candidate is required to have:

- Ph.D. in Analytical Chemistry, Organic Chemistry, Biochemistry or related area. Two or more years postdoctoral experience is preferred.
- Experience in the isolation and identification of drug metabolites.
- Experience in the daily operation and maintenance of quadrupole and/or magnetic sector mass spectrometers.
- Experience in bioanalytical methods development (including quantitative mass spectrometry, GLC and HPLC) and in the analysis of drugs and their metabolites in biologic media.
- Proven research ability evidenced by an outstanding publications record.
- Excellent communication and interpersonal skills.
- Experience in LC/MS and MS/MS techniques is preferred.

We offer an excellent compensation, benefits and relocation package as well as opportunities for personal and professional growth. For confidential consideration, please forward your C.V. and the names of three references to Robert F. Obst, R&D Employment Consultant, SmithKline Beckman Corporation, 1560 Spring Garden Street, Philadelphia, PA 19101. We are an Equal Opportunity Employer, M/F/H/V.

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For literature on the incomparable BH-2 System, write Olympus Corporation, Precision Instrument Division, 4 Nevada Drive, Lake Success, NY 11042-1179. Or phone toll-free 1 (800) 446-5967 for demonstration.

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