PERSONNEL PLACEMENT

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing; no abbreviations are accepted in ad and must be 12-point type, 8 lines per column; in one column; one inch equals 10 lines of 52 characters and spaces per line). No substitute for No agency commissi-

POSITIONS WANTED

Immunologist, Ph.D. Academic and biotechnology experience in hyphenated technology, monoclonal antibodies, cellular immunity, and large scale cell culture. Extensive background in project management. Seeking position in academic/inustrial collaborative research and development. Box 134, SCIENCE.


AQUATIC ECOLOGIST POSITION. The Appala-

CHANCELLOR'S OFFICE UNIVERSITY OF KENTUCKY:

Biology, hybridoma technology, and monoclonal antibody production. Seeks an industrial position. Reply: 45SS Main #512, Kansas City, MO 64111.


AQUATIC ECOLOGIST POSITION. The Appala-

CHANCELLOR'S OFFICE UNIVERSITY OF KENTUCKY:

Biology, hybridoma technology, and monoclonal antibody production. Seeks an industrial position. Reply: 45SS Main #512, Kansas City, MO 64111.
POSITIONS OPEN

Yale University—The Department of Chemistry invites applications for two positions at the ASSOCIATE PROFESSOR level, effective academic year 1988. We seek bright teacher-scholars who show promise for developing outstanding research programs in organic chemistry, and in experimental and theoretical physical chemistry. Applicants should send curriculum vitae, a statement of research interests and plans, and should arrange for the submission of three letters of recommendation. All materials should be received by 31 October 1987. Send applications to: Professor Kenneth B. Wiberg, Chairman, Faculty Search Committee, Department of Chemistry, Yale University, 225 Prospect Street, P.O. Box 208104, New Haven, CT 06511-8118. Yale University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR VERTEBRATE ZOOLOGIST

Tenure track position beginning fall 1988. Responsible for teaching and advising undergraduates and graduate students in bird, reptile, and amphibian biology. Must have a Ph.D. and be able to teach general zoology, systematic biology, and field zoology. Send curriculum vitae and three letters of recommendation to: Mrs. Linda R. Kennedy, Chairman, Search Committee, Department of Biology, 220 Science, New College of Florida, Manasota, FL 34211. Review of applications will begin on 1 November 1987.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR OF MICROBIOLOGY

The Department of Microbiology at The Pennsylvania State University College of Medicine, Hershey, Pennsylvania, invites applications for a tenure-track position at the assistant/associate professor level. Candidates for this position are expected to have expertise in the molecular biology of retroviruses, preferably with human retrovirus. The individual is expected to participate in our traditional effort to train students. Deadline for receipt of applications is 15 November 1987. Please send curriculum vitae, bibliography, a description of research plans, and the names and addresses of three references to: Dr. John K. Hardman, Department of Microbiology, The Pennsylvania State University College of Medicine, P.O. Box 850, Hershey, PA 17033. The Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer.

Department of Animal Sciences at Cook College, Rutgers—The State University of New Jersey, invites applications for a tenure-track appointment at the rank of ASSOCIATE, OR FULL PROFESSOR. Candidates should have expertise in animal nutrition (ruminant or swine). An applied and/or basic research program using in vivo approaches capable of attracting grants will be developed. Teaching responsibilities will include one undergraduate course, a graduate level course or seminar, and coordination of an undergraduate course (undergraduate/graduate—M.S. and Ph.D.). Applicants should submit curriculum vitae and names of three references to: Dr. James Wohlt, Chairman Search Committee, Department of Animal Sciences, Bartle Hall, Cook College, Rutgers University, P.O. Box 231, New Brunswick, NJ 08903. Applications will be accepted until 1 December 1987 or the position is filled. Applicants should send curriculum vitae, bibliography, a brief statement of research and teaching experience, a list of publications, and three letters of reference by 15 December 1987 to: Dr. J. M. King, Chairman, Search Committee, Department of Animal Sciences, Rutgers University, Piscataway, NJ 08854. Rutgers, the State University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF PHYSIOLOGY

This full-time faculty position is available immediately. Candidates must have a Ph.D. and must be qualified for a postdoctoral position. Duties involve teaching and research. Candidates are expected to develop an independent research program with outside funding. Teaching duties include participation in the first-year medical physiology course and courses in a newly developing Ph.D. program. Preference will be given to candidates with experience and interest in cardiovascular, muscular, nervous or neurophysiology. Screening of applicants will begin 24 August 1987 and will continue until the position is filled. Send curriculum vitae and names of three references to: Dr. R. C. Lewis, Chairman, Department of Physiology, Ponce School of Medicine, P.O. Box 7004, Ponce, PR 00732.

ASSOCIATE PROFESSOR BIOSTRUCTURAL CHEMISTRY

PRINCETON UNIVERSITY

As part of an expansion in the Life Sciences at Princeton University, the Department of Chemistry invites applications for an assistant professorship from individuals whose work emphasizes the structure and function of biologically important macromolecules (proteins, nucleic acids, polysaccharides, phospholipids). More senior appointments could be considered in appropriate cases. Application should include a description of research interests, curriculum vitae, and three letters of recommendation and should be sent by 30 November 1987 to: Professor C. Schutt, Department of Chemistry, Frick Laboratory, Princeton University, Princeton, NJ 08544. Princeton is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT OR ASSOCIATE PROFESSOR IN THE RESEARCH ASSOCIATE TRACK to assume major scientific and administrative responsibility in a cellular electrophysiology laboratory studying arrhythmogenesis and the actions of antiarrhythmic drugs. Experience in single cell work, voltage clamping, ion sensitive microelectrodes, and computer programming is preferable. Excellent scientific environment. Renewable term appointment with full fringe benefits. Immediate availability. Send curriculum vitae, letter of interest, description of research plans, and the names of three references to: Morton F. Armador, M.D., Chief, Section of Cardiology, University of Chicago Hospitals, Box 423, 5841 South Maryland, Chicago, IL 60637.

ASSISTANT OR ASSOCIATE PROFESSOR OF ANATOMY

Applications are invited for tenure-track positions at the assistant or associate professor level. At the assistant professor level should have a Ph.D. or equivalent, postdoctoral experience, an active research program with the potential to obtain extramural support, and a record of successful performance of teaching tasks. Specific research areas are open, although preference will be given to cell and molecular biology.

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

BIOCHEMIST

The Department of Biology, The University of Alabama invites applications for a tenure-track position at the assistant professor level to begin August 1988. Postdoctoral experience is required and the successful candidate will be expected to develop an active funded research program, supervise graduate students, and participate in departmental teaching programs. Area of research specialization is open. Interaction with other biochemistry faculty whose interests include membrane biochemistry, protein and nucleic acid structure and function analysis, and gene regulation will occur. The successful candidate will be competitive and generous start-up money is available. Applicants should submit curriculum vitae, statement of research interests, and names of three references by 1 November 1987 to: Dr. John K. Hardman, Department of Biology, The University of Alabama, Tuscaloosa, AL 35487. The University of Alabama is an Equal Opportunity Employer.

Chairperson—Microbiology/Immunology

The Loma Linda University, School of Medicine, invites applications and nominations for the position of Chairperson, Department of Microbiology and Immunology. A candidate should have either an M.D. or Ph.D. degree in either and demonstrate leadership and productivity in teaching and research. Experience in academic administration is desirable. Loma Linda University is a private institution where education is considered a lifestyle, and the environment is that of a religiously qualified, Equal Opportunity Employer.

Chairperson—Microbiology/Immunology

The Loma Linda University, School of Medicine, invites applications and nominations for the position of Chairperson, Department of Microbiology and Immunology. A candidate should have either an M.D. or Ph.D. degree in either and demonstrate leadership and productivity in teaching and research. Experience in academic administration is desirable. Loma Linda University is a private institution where education is considered a lifestyle, and the environment is that of a religiously qualified, Equal Opportunity Employer.

Chairperson—Microbiology/Immunology

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Quantitative Environmental Scientist

Battelle Memorial Institute which operates the Department of Energy’s Pacific Northwest Laboratory in Richland, Washington has an opening in its Environmental Sciences Department for an individual with a Ph.D. in terrestrial or aquatic ecology, accompanied by a strong background in applied sampling theory or a minor in applied statistics, and familiarity with field designs for impact assessment. Experience or formal coursework on methods for estimating animal and plant abundance desired.

As a member of a scientific team, the successful candidate will design and evaluate terrestrial studies devoted to detecting both the impact of waste as well as construction activities on resident biota (small mammals, birds, and plants) and soils. In addition, the candidate will provide statistical interpretation of field sampling results, assess the effects of energy development activities on the environment, and provide timely input into reports as well as open literature publications.

U.S. Citizenship required.

Salary will be commensurate with academic background and experience. Send resume, recent reprints, names of references, and copies of transcripts to: Marilyn K. Merryman, Professional Employment, Battelle-Northwest, P.O. Box 999, Department 009, Richland, Washington 99352.

An Equal Opportunity Employer M/F.

GROUP LEADER

Pre-clinical Safety Studies

The Sterling-Winthrop Research Institute announces an opening for a Group Leader in its Toxicology Department. This scientist will be involved in all phases of pre-clinical safety evaluations. Duties will include the preparation of protocols, supervision of studies, compilation and interpretations of data and preparations of final reports. Additional duties will include developing in vitro systems for identifying hazards and studying mechanisms of toxicity.

The ideal candidate will possess a Ph.D. degree in Toxicology/Pharmacology and have relevant experience in safety evaluation. A strong background in cellular and molecular toxicology is desirable. This position involves supervision of other scientific and technical staff and requires demonstrated communication and interpersonal skills.

We offer an attractive salary and benefits package with opportunity for professional growth. The Institute is located near Albany, New York which is a center for summer and winter recreational activities.

Please send curriculum vitae in confidence to:

William F. Sheldon, Employment Manager

STERLING-WINTHROP RESEARCH INSTITUTE

Sterling Research Group
A Division of Sterling Drug Inc.
Columbia Turnpike, Rensselaer, NY 12144

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Postdoctoral Associates

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With The Industry Of The Future.

The Agricultural Division of CIBA-GEIGY Corporation, one of the world’s foremost agricultural and specialty chemicals companies, is respected for both the quality of its research and the highly accomplished scientists it attracts. To maintain our leadership position in plant biotechnology, we currently seek two Postdoctoral Associates to join us at our Biotechnology Research Unit located in Research Triangle Park, North Carolina.

These two positions are available in the Plant Molecular Biology Department. Research interests of the department include insect resistance, nitrogen metabolism, chloroplast molecular biology, herbicide resistance, and disease resistance. Candidates will have the opportunity to propose a research project of their own choosing. Individuals with experience in molecular biology and an interest in the regulation of gene expression in plants are encouraged to apply.

Our state-of-the-art facilities in Research Triangle Park are conveniently located, with access to several outstanding universities. We offer an excellent salary and benefits package, and the opportunity to contribute to an innovative research program. For prompt and confidential consideration, forward a curriculum vitae, to: Dr. Mary-Dell Chilton, CIBA-GEIGY Biotechnology Research, P.O. Box 12257, Research Triangle Park, North Carolina 27709. An equal opportunity employer=m/f/h/v.

Science Serving Mankind

CIBA-GEIGY
CELLULAR NEUROBIOLOGISTS AND DEVELOPMENTAL BIOLOGISTS. The Department of Biochemistry at Stanford University has several openings for tenure-track faculty positions in the areas of cellular neurobiology and/or developmental biology. Applications will be accepted at the professor level and above, but the Department will also consider appropriate candidates at a more senior level for one of these positions. Applicants should submit a curriculum vitae, a statement of research accomplishments and anticipated research directions, and the names of three appropriate references to: Chairperson, Neurobiology Search Committee, Department of Biological Sciences, Stanford, CA 94305-5020. Applications from women and minority candidates are especially welcome. Stanford University is an Equal Opportunity Employer.

UNIVERSITY OF LONDON

Chair of Biochemistry at Queen Mary College

The Senate invites applications for the above Chair, newly established under a Special Academic Initiative, tenable in the Faculty of Science at Queen Mary College. Candidates should have research interests in a field of Molecular Biology. Applications (11 copies) should be submitted to: The Secretary, Chair of Biochemistry, Department of Biochemistry, Queen Mary College, London E1 4NS, England by 31st October 1987.

Chairperson, Department of Anatomy and Cell Biology

The Mount Sinai School of Medicine of the City University of New York seeks an outstanding leader for the Department of Cell Biology. The successful candidate should have a strong commitment to medical and graduate student teaching and to the development of curricula that are interactive with other basic science and preclinical teaching, seek to attract and mentor individuals with an active and well-recognized research program in cell biology. Please send curriculum vitae to: Dr. Joseph T. DiMaio, Mount Sinai Medical Center, 1 Gustave L. Levy Place, New York, NY 10029. An Equal Opportunity Employer.

Connective Tissue Molecular Biologist Postdoctoral Fellow

A postdoctoral fellow or research associate position is available in the laboratory of a molecular biologist interested in participating in studies designed to investigate the structure and regulation of human connective tissue proteoglycan core genes. Candidates should preferably have experience in procedures in recombinant DNA technology such as: DNA sequence analysis; construction and screening of genomic and cDNA libraries; eukaryotic RNA and DNA isolation; Northern, Southern, and RMA dot blot analyses and tissue culture. Salary and position compatible with experience. Send curriculum vitae and three letters of reference to: Dr. Kevin L. Dreher, Staff Scientist, Weis Center for Research, Geisinger Clinic, Danville, PA 17722. Equal Opportunity Employer 5F/MS.

Director of Biomedical Engineering

Virginia Commonwealth University

Applications are invited for the position of Director of the Biomedical Engineering Program on the Health Sciences campus. The successful candidate must qualify for the rank of associate professor or professor and have a Ph.D. or equivalent degree in biomedical engineering or a related discipline, and 2 years of postdoctoral training experience. The candidate must have a distinguished record of research in biomedical instrumentation, mechanics, or related area, including peer-reviewed publications and extramural research support. The candidate must have experience in the management of doctoral students and demonstrated capability for leadership. Experience in advising postdoctoral trainees and health professional students is desirable. A complete job description and list of qualifications will be sent on request. Applications, including curriculum vitae and the names of three references, should be sent to: Secretary, Biomedical Engineering Search Committee, Virginia Commonwealth University MCV Station—Box 110 Richmond, Virginia 23298, by December 1, 1987. An Equal Opportunity/ Affirmative Action Employer.

Biologic Organic Chemist

Biotherapeutics, Inc., a cancer research and treatment organization, is opening for a bioorganic chemist. Qualifications include a Ph.D. in synthetic organic chemistry, protein chemistry or related area. Experience in the conjugation of chemotherapeutic agents and/or immunotoxins to monoclonal antibodies. The position offers an attractive professional responsibility for the synthesis, purification, characterization, and analysis of these antibody-drug conjugates, with considerable opportunity for design and development of new immunocongjugates and professional growth. Send curriculum vitae and salary history to: Personnel Department, Biotherapeutics Inc., 357 Riverside Drive, P.O. Box 1676, Franklin, TN 37065-1676. An Equal Opportunity Employer.

DIRECTOR
FELS RESEARCH INSTITUTE CANCER AND MOLECULAR BIOLOGY

Temple University School of Medicine invites applications and nominations for a scientific and administrative leader of the Fels Research Institute Cancer and Molecular Biology. The Director will hold a tenure faculty appointment in the School of Medicine. The Fels Research Institute is currently a Laboratory/Basic Cancer Center of the National Cancer Institute. The School also houses the Editorial Office for Cancer Research. The Fels Research Institute will be the focus for a University-wide expansion of research on cancer and molecular biology. The Director 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 clinical aspects of research in cancer, molecular biology, and genetics. Applications should have a recognized program in an area of molecular biology and the capacity to attract high quality faculty. Other areas of research interest include development and maintenance of research interests and the names of three references, and the names and addresses of three references, and the names and addresses of three references, to: Mr. Theodore Plaut, Ph.D., Chairman, Search Committee, Fels Research Institute of Cancer and Molecular Biology, Temple University, School of Medicine, 3400 North Broad Street, Philadelphia, PA 19140.

Eukaryotic Molecular Biology Faculty Position

Applications and nominations are invited for a tenure-track position at the assistant/associate professor level beginning 1 August 1988. Ph.D. required. Successful candidate will teach ecology, environmental sciences, and an additional course in a newly acquired endowed nature center. The individual will be responsible for developing the facility as an educational and research field station. Experience at a similar facility would be helpful. Send letter of application, curriculum vitae, transcripts and three letters of reference to: Dr. Charles H. Rueske, Chairman, Department of Biology, Mount Union College, Alliance, OH 44601 by 15 December 1987. The College is an Equal Opportunity/Affirmative Action Employer.

Eukaryotic Molecular Biology Faculty Position

Applications and nominations are invited for a tenure-track position at the assistant/associate professor level beginning 1 August 1988. Ph.D. required. Successful candidate will teach biology, environmental sciences, and an additional course in a newly acquired endowed nature center. The individual will be responsible for developing the facility as an educational and research field station. Experience at a similar facility would be helpful. Send letter of application, curriculum vitae, transcripts and three letters of reference to: Dr. Charles H. Rueske, Chairman, Department of Biology, Mount Union College, Alliance, OH 44601 by 15 December 1987. The College is an Equal Opportunity/Affirmative Action Employer.
POSITIONS OPEN

UNIVERSITY OF HONG KONG
DIRECTOR OF THE
RADIOISO TOPE UNIT

Applications are invited for the Directorship of the Radioisotope Unit, which is tenable from as soon as possible. The Radioisotope Unit is located in the Faculty of Science, and its functions include teaching and research, as well as radiological protection, service and advice. Applicants should therefore have strong academic qualifications (preferably including Ph.D. degree) and wide experience of teaching and research, and in the areas necessary to maintain the radiological protection, service, and advisory functions of the Unit.

Annual salary (superimposable) is on the 9-point Senior Lectureship scale: HK$292,320 to HK$392,700 (approximately £23,390 to £31,420, sterling equivalent as at 29 July 1987). Starting salary will depend on qualifications and experience. At current rates, salaries tax will not exceed 16% of gross income. Housing at a rental of 7½% of salary, children's education allowances, leave, and medical benefits are available.

Further particulars and application forms may be obtained from: The Secretary General Association of Commonwealth Universities (Aga), 36 Gordon Square, London WC1H 0FF, or from the Appointments Unit, Registry, University of Hong Kong, Hong Kong. Closes: 9 November 1987.

Dickinson College. The Environmental Studies Program invites applications for a 3-semester, non-tenure-track FACULTY POSITION beginning in January 1988. We seek a candidate with a background in one or more of the natural sciences, with interdisciplinary experience and with interests including quantitative methods in policy analysis. Applicants should submit curriculum vitae by 15 October to: Dr. Candie Wilderman, Coordinator, Environmental Studies Program, Dickinson College, Carlisle, PA 17013. Dickinson College is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN
MOLECULAR BIOLOGY

The Department of Biochemistry, Wayne State University School of Medicine, is undergoing a major expansion in the area of molecular biology. Over the next 2 years, we are seeking five outstanding and productive researchers in prokaryotic or eukaryotic molecular biology. This represents a major commitment by Wayne State University to molecular biology, and generous start up funds and research facilities will be available. The positions are at the level of assistant professor, although outstanding individuals at more senior levels will be considered.

Wayne State University is one of the three state-supported research universities in the State of Michigan. The School of Medicine is an integral part of the Detroit Medical Complex, one of the largest university-health complexes in the country, with over 1000 medical students, a vigorous graduate program, and five affiliated teaching hospitals. We invite individuals with a Ph.D. or M.D. and relevant postdoctoral experience in molecular biology to apply for this unique opportunity. A résumé, the names of at least three references, and a brief outline of future research interests should be sent to: Dr. Barry P. Rosen, Chairman, Department of Biochemistry, Wayne State University, School of Medicine, Gordon H. Scott Hall of Basic Medical Sciences, 540 East Canfield Avenue, Detroit, MI 48201.

An Equal Opportunity/Affirmative Action Employer.

MOLECULAR GENETICIST
FACULTY POSITION

The Animal Sciences Department, Purdue University, is seeking an assistant professor (12-month, tenure-track) to conduct research in molecular genetics of domestic animals and teach at the graduate level. Ph.D. and postdoctoral experience in molecular genetics is required. Participation in Purdue's Biochemistry program is expected. Application deadline is 2 October 1987. Send curriculum vitae, reprints, and names and addresses of three references to: Dr. B. G. Harmon, Head, Department of Animal Sciences, Purdue University, West Lafayette, IN 47907. Purdue University is an Affirmative Action/Equal Opportunity Employer.

POST-DOCTORAL FELLOW

The Cardiac Diseases Section of Wyeth Laboratories is seeking a Post-Doctoral Fellow to join an established and highly visible laboratory in the electrophysiological study of potassium channels in nerve, cardiac and smooth muscle cells using patch and whole-cell voltage clamp techniques. Research will focus on the basic characterization of potassium channel gating, and the molecular mechanisms underlying channel block by drugs and toxins. Efforts will be aided by detailed computer modeling of drug molecules, and the use of newly synthesized novel potassium channel blockers and activators. The candidate will be expected to become an active and productive member of the research team, and to interact with other scientists both internally and in the general scientific community. Experimental findings will be presented in scientific publications and in presentations at scientific meetings.

The candidate should have a recent Ph.D. in Physiology, Pharmacology or Biophysics, with prior experience in electrophysiology and microelectrode techniques preferred. Familiarity with tissue culture and/or membrane channel/receptor isolation techniques may also be useful.

Respond immediately by forwarding your CV and salary requirements in confidence to: Positions *153, Recruitment Manager, WYETH LABORATORIES, INC., P.O. Box 8299, Philadelphia, PA 19101. Equal Opportunity Employer, M/F/H/V responses encouraged.

Wyeth Laboratories

In Vitro
Genetic Toxicologist
Mobil

Mobil Oil Corporation is seeking a highly qualified Genetic Toxicologist to join its Environmental Affairs and Toxicology Department located near Princeton, New Jersey.

Responsibilities include supervision and performance of mammalian cell mutation assays, particularly the mouse lymphoma L5178Y TK+/- assay; monitoring new trends and developments in genetic toxicology testing; and design and validation of new or modified test methods useful as alternatives to animal toxicology testing.

The successful candidate will have a Ph.D. in Toxicology, Biochemistry or a related discipline and at least 2 years of relevant experience (preferably industrial). Applicants should possess excellent communication skills, a solid publication record, and an interest in continuing to publish original research work.

Interested applicants should send their curriculum vitae in confidence to: Manager, Recruiting and Employment, Department SCI, Mobil Technical Center, P.O. Box 1031, Princeton, N.J. 08540.

MOBIL OIL CORPORATION
An Equal Opportunity Employer
Position Open

FACULTY POSITION
MOLECULAR GENETICS

The Center for Genetics is seeking candidates for a faculty position in the area of mammalian molecular biology and genetics. The position will be at the level of assistant professor up to full professor, depending on the candidate's qualifications and will be either tenure-track or tenured. Candidates must have a Ph.D. or its equivalent plus at least 2 years of postdoctoral experience in mammalian molecular genetics or related areas. Significant research accomplishments and/or evidence of outstanding research potential will be key considerations. Applicants should provide curriculum vitae, names and addresses of four references, and a brief statement of research interests and plans. To receive fullest consideration, applications should be received by 1 November 1987. Send applications to: Dr. Richard L. Davidson, Director of Center for Genetics, University of Illinois College of Medicine, 808 South Wood Street, Chicago, IL 60612. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN MOLECULAR GENETICS

The Department of Microbiology and Molecular Genetics at the University of Cincinnati College of Medicine announces a faculty opening in the area of molecular genetics of cancer or immunity. We are particularly interested in responses from individuals who have already established independent research programs. Excellent salary, laboratory space, and start-up moneys are available. Applicants should submit their curriculum vitae and a summary of research accomplishments and future research plans, along with the names of three scientists willing to write letters of recommendation, to: Dr. Jerry B. Lingrel, Ph.D., Department of Microbiology and Molecular Genetics, University of Cincinnati College of Medicine, Cincinnati, OH 45267-0524. The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN PLANT MOLECULAR BIOLOGY

The University of Iowa invites applications for a tenure-track appointment at the level of assistant professor. We seek candidates with excellent research records who have had postdoctoral experience and/or experience as a faculty member at another university. Research activity should center on the use of modern molecular techniques to solve basic problems in plant biology. Appointees will participate in the teaching of introductory and advanced courses. This position is part of a Special Recruitment Program in the College of Liberal Arts; the appointment will be made jointly in the department of Biology. Applications should include curriculum vitae, a statement of research interests and the names of three scientists who can comment on the academic record of the candidate. Send materials to: Chairman, Plant Molecular Biology Search Committee, Department of Botany, University of Iowa, Iowa City, IA 52242. Screening of applications will begin in November, 1987, and will continue until the position is filled. The University of Iowa is an Equal Employment Opportunity/Affirmative Action Employer.

The University of California, San Diego, Department of Chemistry, invites applications for a tenure-track FACULTY POSITION IN BIOCHEMISTRY, and in all fields of chemistry (inorganic, organic, and physical). Appointments are available at all levels for individuals with outstanding research credentials. Candidates must have a Ph.D. and a demonstrated ability for creative research and teaching at the undergraduate and graduate levels. Salary commensurate with qualifications, and based on University of California pay scale. Candidates should send curriculum vitae, a list of publications, reprints of representative papers, a summary of research plans, and names, addresses, and telephone numbers of three references to: Chairman (Bio-, Inorganic, Organic, Physical Chemistry) Search Committee, B-632, University of California, San Diego, La Jolla, CA 92037. Promotional response is recommended but all applications received by 15 October 1987 will be given thorough consideration. The University of California is an Equal Opportunity/Affirmative Action Employer.

Senior Scientist

Hoffmann-La Roche is an established leader in the pharmaceutical and health care industry, with a strong commitment to biotechnology. The Molecular Genetics Department conducts basic and applied research on prokaryotic and eukaryotic gene expression, lymphokines, cytokines, growth factors and their receptors, oncogenes and other areas with relevance to human pharmacueticals. We are seeking a Senior Scientist to be responsible for a research program to characterize cell surface receptors, and to apply hybridoma technology, protein characterization and cell biology techniques in support of drug development research efforts. Qualifications include a Ph.D. in Cell Biology, Biochemistry, Pharmacology or a related discipline, and a minimum of two years of postdoctoral training. Experience in characterization of cell surface receptors or related proteins and hybridoma technology would be preferred.

The Department of Molecular Genetics is located close to the Roche Institute of Molecular Biology, in a suburban setting 10 miles from New York City. We offer a very competitive compensation package, and a research environment that encourages scientific growth. Interested individuals are invited to send curriculum vitae and a letter indicating past, current and future research interests to: Eleanor M. Malone, Professional Employment and Staffing Specialist, Dept. RC, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.

ROCHE  Hoffmann-La Roche

Working Today For A Healthier Tomorrow.

Postdoctoral Scientist

The Drug Metabolism Department of Smith Kline & French Laboratories, located in suburban Philadelphia, Pennsylvania, is seeking a Postdoctoral Scientist to perform basic research in Drug Metabolism. This position offers the opportunity to interact with senior members of the department to facilitate professional growth. Candidates will report research results within the company and at national scientific meetings and are encouraged to publish these results in leading trade journals.

The successful candidate will:
- Perform studies directed toward an understanding of the metabolism/pharmacokinetics of therapeutic proteins.
- Investigate effects of glycosylation and carbohydrate structure on the pharmacokinetics of therapeutic proteins.
- Study factors that govern hepatic and extraparenchymal metabolism of proteins.
- Develop necessary bioanalytical techniques to perform such studies.

Our postdoctoral positions are normally of two years duration.

The successful candidate is required to have:
- A Ph.D. in Biochemistry, Protein Chemistry or related areas.
- Experience in enzymatic and immunoassays.
- Working knowledge of major electrophoretic techniques and HPLC techniques applicable to protein analysis.
- Experience in drug metabolism studies is preferred but not necessary.
- Excellent oral and written communication skills.
- Demonstrated ability to integrate and apply multi-disciplinary techniques.

We offer an excellent compensation, benefits and relocation package as well as opportunities for personal and professional growth. Please forward your C.V. and the names of three references to: Mary Ann Mccary-30406 - Smith Kline & French Laboratories, Research & Development, P.O. Box 1535, King of Prussia, PA 19406-0535. We are an Equal Opportunity Employer, M/F/H/V.
Glaxo Inc., located in Research Triangle Park, N.C. is one of the Top 10 ethical pharmaceutical firms in America. We are a company with tremendous growth opportunities, state-of-the-art facilities, and a commitment to producing medicines that save lives and eliminate suffering.

We're proud of our broad-based research organization which is committed to inter-disciplinary approaches to the solution of clinically important problems. Our Chemotherapy Department currently has an excellent career opportunity available for a Senior Virologist. This key position will be responsible for the initiation, implementation and coordination of research into anti-viral agents.

Qualified candidates must possess previous experience with viral infections in animals and the evaluation of anti-viral compounds. Familiarity with retroviruses and/or molecular biology is preferred, as well as previous experience in the pharmaceutical industry.

At Glaxo Inc., growth opportunities and up-to-date facilities are complemented by a location (near Raleigh/Durham) that has excellent resources in close proximity. Prestigious universities, scenic vistas, lively recreational areas, and exciting cultural opportunities are all a part of the daily life of the Glaxo professional. Further, we reward talent and creativity with an excellent salary and benefits package. Please forward your resume, including salary history, in confidence, to:

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An Equal Opportunity Employer M/F/V/H

EXECUTIVE DIRECTOR
Oak Ridge Associated Universities

The Board of Directors of the Oak Ridge Associated Universities invites nominations and applications for the position of Executive Director. Oak Ridge Associated Universities is a private not-for-profit association of 49 colleges and universities with a staff of more than 500 and a current operating budget of approximately $35 million with offices in Oak Ridge, TN, and Washington, DC. It conducts research, educational and information programs in the areas of energy, health, and the environment for the U.S. Department of Energy (DOE), other private and governmental organizations, ORAU member institutions, and other colleges and universities. ORAU is a management and operating contractor for DOE. Activities include the administration of pre- and post-doctoral fellowships, basic and applied research in biomedicine and physics, policy studies, and management of major research facilities.

Responsibilities of the Executive Director include: Direction of all programs, facilities, and personnel; provision of strong leadership in pursuing new initiatives and new directions for ORAU; overall responsibility for cooperative activities and relationships with member institutions; representation of ORAU to federal agencies, corporations, foundations, universities, and other organizations; and strategic planning.

It is desirable that candidates for the position have the following qualifications: Earned doctorate in science, engineering, medicine or a related field; experience as a faculty member or familiarity with university administration, governance, etc.; research experience; familiarity with government agencies, funding procedures, and proposal preparation; management experience, including fiscal, personnel, and program/project responsibility; familiarity with private foundations and other 501(c)3 institutions; strong interpersonal skills; and ability to communicate well orally and in writing.

The position is available on or before July 1, 1988. The Search Committee will begin its review of applications November 2, 1987. Salary and starting date are negotiable. Applications should include a letter stating an interest in the position, a complete resume, and names and addresses of at least three references. Applications will be considered confidential.

Applications and nominations should be sent to:
Dr. Paul F. Parks
Vice President for Research
202 Samford Hall
Auburn University, AL 36849

ORAU is an EEO/AA Employer
POSITIONS OPEN

FACULTY POSITIONS IN CARNEGIE-TRI-COLLEGE PHARMACOLOGY

The Department of Pharmacology, University of Tennessee, Memphis, is seeking candidates for two tenure-track positions available immediately, in cardiovascular/renal pharmacology or related area at the rank of postdoctoral fellow or professor. Candidates should possess a Ph.D. degree in pharmacology or related discipline, or an M.D., and should have a strong background in research and commitment to teaching. Candidates will be expected to have an ongoing independent research program supported by federal funding agencies. Although candidates in the area of cardiovascular-renal pharmacology will be given preference, applicants experienced in other areas of pharmacology will also be considered. Candidates for cardiovascular research should have a strong background in relevant physiological or biochemical studies. Other candidates should have appropriate experience in the field, related to specific areas of interest such as: hypertension, cardiovascular biology, or immunology to pharmacology. Candidates will be expected to participate in teaching pharmacology to professional and graduate students. Assistants from minority candidates and women are strongly encouraged. Please submit, by 1 December 1987, curriculum vitae, the names of three references and a brief statement of future research plans to: Murray Heimbach, M.D., Ph.D., Van Fleet Professor and Chairman, Department of Pharmacology, University of Tennessee, Health Science Center, Memphis, Tennessee 38133. The University of Tennessee is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

TWO FACULTY POSITIONS IN RELATIONSHIP TO THE KIRKWOOD MOLECULAR ONCOLOGY LABORATORY

(1) ASSOCIATE FULL PROFESSOR: With doctorate in biological or behavioral science, training and experience in psycho-pharmacological aspects of taste and food related behavior, outstanding research achievement, and success in obtaining federal funding.

(2) RANK OPEN: For doctorate in food science (not food technology), training in experimental foods, food chemistry and related fields. Emphasis on nutrition research, and interest in developing new analytical evaluation. Apply by sending letter of application, résumé, transcripts, and names of three references before 15 November 1987, to: Department of Food Nutrition and University Administration, University of Washington, College Park, MD 20742. An Equal Opportunity/Affirmative Action Employer.

FLAVOR RESEARCH SCIENTIST: Define and develop methodology for isolation and concentration of flavor systems and components. Instrumental analysis and separation techniques using knowledge of biochemistry, membrane biology, and gas chromatographic techniques. Maillard reaction studies, and hands-on experience in encapsulation. Ph.D. in food science required. Ph.D. studies must include concentration in flavor chemistry and use analytical chemistry for application of analytical techniques 35 hours per week; $35,000 per annum. Please send résumé and contacts of three references to: Dr. John A. Suter, Associate Dean College of Agriculture Texas A&M University College Station, TX 77843

Applications are being accepted by the Faculty of Meteorology, Environment and Arid Land Agriculture in the University of Jeddah, Saudi Arabia. Applications will be considered for the following three faculty positions: 1. HORTICULTURAL SCIENTIST 2. FLORICULTURAL SCIENTIST 3. ANIMAL BREEDING SCIENTIST

Applications should be addressed to: Dr. Dwayne A. Suter Associate Dean College of Agriculture Texas A&M University College Station, TX 77843

In addition to an attractive salary, King Abdullah University offers a generous housing and furniture allowance, end of contract gratuity, 60 days of paid summer leave each year, baggage allowance, educational allowance for school-age children, transportation allowance, and annual round-trip air fare.

Term of employment is for 1 year with opportunity for renewal.

FACULTY POSITIONS

KING ABDULLAZIZ UNIVERSITY FACULTY OF METEROLOGY, ENVIRONMENT AND ARID LAND AGRICULTURE JEDDAH, SAUDI ARABIA

Applications are being accepted by the Faculty of Meteorology, Environment and Arid Land Agriculture in the University of Jeddah, Saudi Arabia. King Abdullah University, for the following three faculty positions: 1. HORTICULTURAL SCIENTIST 2. FLORICULTURAL SCIENTIST 3. ANIMAL BREEDING SCIENTIST

Applications should be addressed to: Dr. Dwayne A. Suter Associate Dean College of Agriculture Texas A&M University College Station, TX 77843

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Term of employment is for 1 year with opportunity for renewal.

Purdue University is an Equal Opportunity Employer.

FACULTY POSITIONS

PURDUE UNIVERSITY DEPARTMENT OF BIOLOGICAL SCIENCES

The Department of Biological Sciences, Purdue University, is seeking an established scholar with broad interests to serve as Head of the Department. The Department, located in the Snow Hall, is a research-active, teaching-oriented, coeducational unit that produces major research contributions to the life sciences. We seek a dynamic scholar with a distinguished record of research achievement and concomitant commitment to education. Applicants should have a Ph.D. degree in a relevant field and have demonstrated success in research, teaching and service. The successful candidate will be expected to secure external funding, direct the department, and assume administrative responsibilities. Applications are invited and will be considered until the position is filled. Purdue University is an Equal Opportunity/Affirmative Action Employer.

HEAD, HISTOCOMPATIBILITY LABORATORY

The University of Utah Medical Center, School of Medicine, is offering a full-time position of Assistant Professor, or Research Associate Professor, in Histocompatibility Laboratory (tenure-track) to direct the Histocompatibility Laboratory at the University of Utah Medical Center. The candidate should have an M.D. or Ph.D. with an emphasis in tissue typing, in vitro techniques, and experience in tissue typing, paternity testing, and organ transplantation, and be certified to direct a tissue typing laboratory. The laboratory is the recipient of NIH funding of research. The successful candidate will have an appointment in Pediatrics or Pathology, Department of Pathology, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132. The University of Utah is an Equal Opportunity Employer.

JUNIOR AND SENIOR FACULTY POSITIONS IN MOLECULAR BIOLOGY OF THE IMMUNE SYSTEM

The Department of Microbiology and Immunology invites applications for junior and senior level, tenure-track positions focusing on the molecular analysis of significant problems in immunology. Senior candidates should have strong records of research accomplishment and sustained program development. Junior candidates will be expected to develop high quality, independent research programs with long-term growth potential. Junior appointment requires a Ph.D. in molecular biology with a research record demonstrating excellence in research. Applications are invited from qualified candidates with a Ph.D. degree. Applications should be addressed to: Dr. Terrance G. Cooper, Department of Microbiology and Immunology, University of Tennessee, Memphis, TN 38133.

Applications will be reviewed after 1 November 1987 and will be considered until the position is filled.

Purdue University is an Equal Opportunity/Affirmative Action Employer.
BIOLOGIST

The Energy Conversion and Utilization Technologies (ECUT) Program of the Office of Energy Utilization Research in the U.S. Department of Energy (DOE) has an immediate opening for a Biologist. Experience is desired in research relevant to the energy efficient biocatalyzed conversion of feedstocks to chemicals and fuels. Applicants must possess a bachelor's or higher degree in the biological or chemical sciences pertinent to the position being filled. A Ph.D. degree is desirable in one of the biotechnology related disciplines such as Bioprocess Engineering, Fermentation Technology, Microbiology, Molecular Biology, Enzymology, Biochemistry or Quantum Biology. Applicants must also have at least three years of additional experience in some aspect of biotechnology R&D. The appointment is a permanent, full time position at the GS-14 level, $45,763 to $59,488 per year depending upon education and experience.

Duties: The incumbent will be responsible for planning and managing an applied biotechnology research program of national scope which includes activities such as the design of (bio)catalysts, genetic engineering of high-productivity micro-organisms and research on innovative bioreactor/separation concepts. Program implementation is accomplished through field organizations such as government laboratories, university grants or competitively selected industrial contracts.

Interested persons should submit a Standard Form 171 "Application for Federal Employment" (available at Federal Job Information Centers or from the address below) to:


For further information contact Jeffrey Dowell on 202-586-8563. Applications must be received by the above office on or before September 30, 1987, in order to be considered. DOE is an equal opportunity employer and qualified women and minorities are encouraged to apply. United States Citizenship is required for employment in the Federal Government.

SCIENTIFIC PROGRAM MANAGER,
NEUROBIOLOGY (COMPUTATIONAL)

The Office of Naval Research (ONR) is seeking a highly qualified individual to plan and manage an external contract research program in neurobiology by leading U.S. scientists with emphasis on computational strategies. This is a Civil Service position at the GS-14, 14 or 15 grade level ($38,727–$69,976), depending on qualifications.

The successful candidate will conceive, organize and direct research and development programs in biological neural systems which are concerned with the organization, structural basis, and functional architectures of information processing networks in neural systems (biological intelligence). Program management responsibilities require knowledge of biological neural systems and computational analysis of neural system processing functions with expertise in at least two of the following areas: biochemical, electrical and morphological basis of synaptis plasticity; neuropharmacological and neuroanatomical characterization of defined neural pathways; parallel processing architectural analysis; and neural-behavioral relationships.

Applications must have a Ph.D. plus a minimum of one year of experience or an equivalent combination of education and experience. To apply, please send a resume, list of publications and a Standard Form 171, Application for Federal Employment, to:

OFFICE OF THE CHIEF OF NAVAL RESEARCH
Personnel Operations, Code 01242P
Attn: Announcement #87-77(S)
800 North Quincy Street, Arlington, VA 22217-5000

Applications must be received by 30 October 1987. For further information and supplemental forms, please call (202) 696-4705. An Equal Opportunity Employer, U.S. Citizenship required.

WORLD-RENOWED RESEARCH
HEAD OF IMMUNOLOGY

Merck Sharp & Dohme Research Laboratories, with an unparalleled record of scientific achievement of more than 50 years, continues to invest in the people and facilities needed to surpass that record.

We are now inviting applications for a position which offers wide scope in the scientific leadership and direction of its established basic research programs in immunology as well as the creation and implementation of major new initiatives. The successful applicant will lead a large group and collaborate with multi-disciplinary teams in the pharmaceutical research and development of new therapeutic compounds.

Requirements include an M.D. or Ph.D. degree, considerable research experience and a national reputation in molecular immunology evidenced by both research achievements and publication record. Commitment to scientific excellence and innovation in drug discovery is essential.

This position, based at our headquarters in Rahway, New Jersey offers excellent compensation and benefits and exceptional potential for growth and development. Please send a full curriculum vitae and salary history to: Mr. Fred Allen, Director, MSDRL Personnel Relations, (SC), Merck Sharp & Dohme Research Laboratories, P.O. Box 2000, R801-TL2, Rahway, NJ 07065.

Equal Opportunity Employer

MERCK & CO., INC.
**IMMUNOLOGISTS/IMMUNOCHEMISTS/ TUMOR AND CELL BIOLOGISTS**
**CENTERS FOR MOLECULAR MEDICINE AND IMMUNOLOGY**

The CENTER FOR MOLECULAR MEDICINE AND IMMUNOLOGY, a specialized cancer research and treatment center, is recruiting for senior and junior researchers. The Center is devoted to basic and applied multidisciplinary research aimed at improving the management and control of cancer and allied diseases. Potential candidates should be experienced in biochemical, genetic, and molecular biological techniques to study problems in the areas of molecular immunology, immunobiology, and molecular genetics. Special consideration will be given to those individuals with interest in tumor immunity, immunochemistry, tumor imaging and therapy, tumor biology, and tumor genetics. Excellent laboratory facilities are available to successful candidates expected to develop independent and vigorous research programs. Applicants must hold a Ph.D. or M.D. degree and have demonstrated excellence in research. The levels of appointment and salary are commensurate with qualifications and experience. Junior research candidates will be expected to indicate evidence of their potential by a publication record appropriate to their experience, as well as letters of recommendation. Senior research candidates must show evidence of a strong research accomplishment and grant support. Postdoctoral candidates are invited to apply.

The Center is located on the Newark campus of the University of Medicine and Dentistry of New Jersey (UMDNJ) and is closely affiliated with several of UMDNJ’s clinical research and educational programs. In close proximity are excellent opportunities for educational, research, and cultural exchange among the many outstanding institutions within the greater New Jersey-New York Metropolitan area. Ample housing exists in several adjacent communities and within short commuting distances of both the Center and New York City.

Applications, to include curriculum vitae, bibliography, a statement of career and research goals and the names of three references should be sent to:

David M. Goldenberg, Sc.D., M.D.
President
Center for Molecular Medicine and Immunology
1 Bruce Street, Newark, New Jersey 07103

An Equal Opportunity Employer

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**BONE CELL BIOLOGIST, Ph.D**

As a result of our continuing commitment to bone metabolism research, Ayerst Laboratories, a division of Fortune 100 American Home Products Corporation, is seeking a motivated entry-level Ph.D scientist to join our Immunology Department.

The successful candidate will establish a research program in bone cell biology, and will have demonstrated the ability to investigate the physiology of bone cells. Experience with in-vitro and ex-vivo models of bone metabolism is required; experience with animal models of bone physiology is a plus.

Ayerst offers competitive salaries, excellent benefits and opportunities for career growth. Our ultra-modern research laboratories are conveniently located in South Brunswick, just minutes north of Princeton.

Interested candidates should forward their curriculum vitae with salary history/requirements to:

Personnel Manager, Dept. MH

Ayerst
LABORATORIES
RESEARCH, INC.
CN 8000
Princeton, NJ 08543-8000

Equal Opportunity Employer M/F/H

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**Environmental Microbiologist**

The Environmental Sciences Center of Monsanto Company in St. Louis, Missouri is searching for a Ph.D. microbiologist to join our interdisciplinary team. A major area of specialization for this person will have been in biochemistry. The primary initial thrusts of the position will be to assist our program in microbial degradation of industrial chemicals and to develop a program of bioanalytical support of the environmental aspects of Monsanto's new biotechnology-based processes.

In addition to having experience with genetic engineering, computers, and waste treatment, we are also seeking a person who is visionary, broad-minded, enjoys solving problems, has very good communications skills, and can provide leadership. The successful candidate will be able to interact well with our team of chemists, biologists, and engineers, to teach us as well as learn from us. We offer an excellent salary and benefit package, and a scientific challenge in an environment where advancement is tied solely to performance and results. Forward your resume to: Personnel Director, MONSENT COMPANY, 800 N. Lindbergh Blvd., Mail Zone AZ2E, St. Louis, MO 63167.

An Equal Opportunity Employer M/F/H/V.

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**Process Development Scientists**

Seragen, Inc. is a rapidly growing biotechnology company committed to basic and applied research and development of therapeutic drugs.

We are seeking two scientific professionals who have several years of proven experience in the field of process development and scale-up, preferably with recombinant proteins. The successful candidates should have a BS/MS in Biochemistry, or related fields, and be effective communicators both orally and written. In addition, the individuals must be highly motivated, flexible, and willing to assume responsibility for making a valuable scientific contribution as part of a team effort.

Seragen, Inc. offers a highly competitive base salary and benefits program, including stock options and a 401(k) plan. Qualified candidates should send their resume and salary requirements to: Director of Human Resources, Seragen, Inc., 97 South Street, Hopkinson, MA 01748.

—An Equal Opportunity Employer—
Research Scientist, Genetic Engineering (Transgenic Salmon)

Fisheries and Oceans Canada
Biological Sciences Branch
West Vancouver Laboratory
West Vancouver, British Columbia

We require a scientist to develop a research program whose primary goal is the production of transgenic salmonids. Research will also be undertaken on the production of DNA probes for the identification of specific characteristics within individual salmon or salmon stocks. Topics of interest in salmon culture include growth acceleration, sex identification and determination, flesh quality, disease resistance, seawater adaptation and the ability to utilize specific dietary components.

You require graduation with a doctoral degree from a recognized university, or a lesser degree with evidence of research experience and productivity equivalent to that of a doctoral degree in biological, medical or agricultural science with specialization in recombinant DNA techniques. You should possess practical experience and theoretical knowledge of several of the following areas: gene libraries, gene cloning, DNA probes, recombinant DNA techniques, vectors, techniques for gene insertion in vertebrate eggs/embryos, methods for screening of offspring, the evaluation of gene incorporation and expression. Knowledge of English is essential.

We offer a salary ranging from $30,521 to $56,770 commensurate with your qualifications and experience.

Please forward your résumé and/or application form, quoting reference number S-87-31-5712-47G-JG-S5, to:
Joan Girling (613) 996-8054
Public Service Commission of Canada
Ottawa, Ontario K1A 0M7

Closing date: 16 October, 1987
Personal information you may provide is protected under the Privacy Act. It will be held in Personal Information Bank PSC/P-PU-040, Personnel Selection Files.

RESEARCH & DEVELOPMENT OPPORTUNITIES

Fisher Scientific and Instrumentation Laboratory, recognized leaders in the diagnostic industry, are now part of Fisher Scientific Company. As a result of sustained growth and a firm commitment to the future, we are currently seeking talented, hardworking professionals to fill highly-visible positions offering great career potential.

BIOCHEMIST/Immunochemistry
Several Senior Scientist/Group Leader positions are available in our Immunoassay Reagent Development Group. Positions require MS/Ph.D. in Biochemistry (or related field) with a proven track record in immunodiagnostic product development. Experience with latex a plus.

IMMUNOCHEMIST/Infectious Diseases
Positions require MS/Ph.D. in Biochemistry, Immunology, Microbiology or Virology. Opportunities to develop Hepatitis and AIDS assays. Tissue culture, protein purification and conjugation as well as immunoassay development are all a plus.

The above positions are based at our laboratories in Orangeburg, New York, located on the west side of the Hudson River within 30 minutes of New York City.

R&D REAGENTS
Senior Scientist/Principal Scientist to develop advanced reagents for clinical instrumentation. Requirements include Ph.D. in Chemistry/Biochemistry with background in enzymology; experience in reagent development or enzyme stabilization helpful, but not essential.

APPLIED RESEARCH GROUP
Principal Scientist to develop new chemical methodologies for clinical instrumentation. Requirements include Ph.D. in Chemistry/Biochemistry and 3 years experience in diagnostics R&D, or MS and 7 years experience. Exposure to electrochemistry, optical detection methods, chemical immobilization and enzymes essential.

These positions are based at our Instrumentation Laboratory, located in Lexington, Massachusetts, just 15 miles west of Boston.

Qualified candidates are requested to rush detailed resume including salary history and requirements, INDICATING AREA OF INTEREST AND EXPERTISE, in strict confidence, to: Personnel Manager, Fisher Scientific Company, Instrumentation Laboratory Division, 526 Route 303, Orangeburg, New York 10962. An equal opportunity employer m/f/h.

Fisher Scientific Company
Instrumentation Laboratory Division
INSTRUCTOR/ASSISTANT PROFESSOR IN ANATOMY. Applications are invited from qualified individuals possessing the Ph.D. or M.D. degree for two faculty positions: A postdoctoral instructorship, and an assistant professorship requiring a minimum of 2 years of postdoctoral study. The responsibilities of the positions include teaching courses in anatomy and physiology, and directing laboratories taught to medical and graduate students, and demonstration of an active, productive research program.

Applicants should have a curriculum vitae and names of three references, should be sent before 1 March 1988.

Anthony J. Schmidt, Ph.D.
Professor and Chairman
Department of Anatomy
Rush Medical College
600 South Paulina Street
Chicago, IL 60612

Rush University is an Equal Opportunity/Affirmative Action Employer.

INVERTEBRATE PALAEOLOGIST
SMITHSONIAN INSTITUTION
NATIONAL MUSEUM OF NATURAL HISTORY

The Department of Paleobiology seeks an associate curator with a research specialty in one of four fields: Echinodermata, Foraminifera, Molusca (excluding Bivalvia), or Radiolarians. Candidates should have a Ph.D. or equivalent experience, and should be able to provide evidence of a strong and innovative approach to independent research that uses data obtained from specimens to approach questions of broad paleobiological significance. In addition to extensive research responsibilities, the candidate must be available to participate in the teaching of courses at the undergraduate level.

Salary: $27,172 to $38,727, depending on qualifications. Applications should include curriculum vitae, copies of three letters of recommendation, and publications, and should be received by 14 January 1988 at the Office of Personnel Administration, 900 Jefferson Drive SW, Room 1410, Washington, DC 20560.

MOLECULAR BIOLOGIST
UNIVERSITY OF DENVER

The Department of Biological Sciences, University of Denver, seeks applicants for a tenure-track position at the assistant professor level. Preference will be given to applicants with research interests in eukaryotic molecular genetics. The applicant will be expected to establish a high quality program of research and teaching at the undergraduate and graduate level. A productive research program is expected, with support for teaching responsibilities. The direction of graduate students at the M.S. and Ph.D. level is expected. Teaching responsibilities include an undergraduate course in molecular biology and other courses dependent on research interests but consistent with conducting a strong research program. Postdoctoral experience is recommended. Salary is commensurate with the candidate's experience and qualifications. Send curriculum vitae, a statement of research plans, and names of three references by 1 December 1987 to: Dr. Robert Doree, Department of Biological Sciences, University of Denver, CO 80208-0178.

QUALIFIED women and minority candidates are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

MOLECULAR VIROLOGIST

The Department of Virology, University of Michigan School of Public Health seeks candidates for a tenure-track position as assistant professor. The successful candidate will be expected to develop an independent, competitively funded research program focusing on molecular approaches to vaccine development or the study of the pathogenesis of RNA viruses in infectious diseases and to teach graduate students. Preference will be given to applicants who have an M.D. and a Ph.D. and postdoctoral research experience in virology and virological genetics. Send curriculum vitae, statement of research interests, and names and addresses of three references should be sent by 15 January 1988 to: Gene I. Higashi, M.D., Ph.D., Department of Epidemiology, University of Michigan School of Public Health, 139 Observatory Street, Ann Arbor, MI 48109.

The University of Michigan is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.

MOLECULAR BIOLOGIST: Atherosclerosis

New full-time research faculty position (UCLA) to study the regulation of gene expression in atherosclerosis. RNA/DNA probes. Applicants must have a Ph.D. and postdoctoral experience in molecular biology or biochemistry. Salary depends on experience. Send curriculum vitae and bibliography. Review of applications begins immediately. Applicants must be U.S. citizens or permanent residents.

Dr. Daniel J. Keyser, Department of Pathology, UCLA, CA 90095

MOLECULAR BIOLOGIST: Pneumococcus and Legionella

Applications are invited for a full-time, tenure-track position in the Department of Microbiology and Immunology, School of Medicine, University of California, Los Angeles. The academic rank will be determined depending on the qualifications of the successful candidate. The position requires research in molecular biology of streptococci and Legionella. Salary depends on experience. Applicants must be U.S. citizens or permanent residents. Applications should include curriculum vitae, a statement of research interests, and names of three references. Review of applications will begin immediately. Enquiries concerning this position should be directed to Dr. Richard D. McHenry, Department of Microbiology and Immunology, School of Medicine, University of California, Los Angeles, CA 90095.

PLANT PATHOLOGIST

The Department of Plant Pathology, University of Georgia, Athens, is seeking candidates for a tenured position in the area of leaf blight control. A Ph.D. in plant pathology and research experience in the area of fungal leaf blight control is required. Salary is competitive and dependent on experience. Review of applications will begin immediately. Applications should be sent to the Department of Plant Pathology, University of Georgia, Athens, GA 30602.

MOLECULAR BIOLOGIST: Neurotransmitter and Neurotransmission

The Department of Pharmacology, College of Medicine, University of Kentucky, seeks candidates for a full-time, tenure-track position at the level of assistant professor. The successful candidate will direct an independent, funded research program in the areas of neurotransmitter and neurotransmission. Salary is competitive and dependent on experience and rank. Review of applications will begin immediately. Send curriculum vitae, a letter of interest, and names of three references to: Dr. W. E. Steiner, Department of Pharmacology, College of Medicine, University of Kentucky, Lexington, KY 40536. An Equal Opportunity/Affirmative Action Employer.

MOLECULAR BIOLOGIST:

The Department of Pharmacology, University of Washington, Seattle, seeks candidates for a tenure-track position at the assistant professor level. Salary is competitive and dependent on experience. Review of applications will begin immediately. Send curriculum vitae, a letter of interest, and names of three references to: Dr. W. E. Steiner, Department of Pharmacology, College of Medicine, University of Kentucky, Lexington, KY 40536. An Equal Opportunity/Affirmative Action Employer.

SCIENCE VOL. 237
PHYSICAL OCEANOGRAPHER
UNIVERSITY OF SOUTH FLORIDA

The Marine Science Department, University of South Florida, invites applications for a 9-month academic year tenure-track faculty position in physical oceanography with emphasis on the ocean circulation. Areas of expertise to be considered include ocean-going experimentation, numerical modeling, and satellite remote sensing. The position will be available August 1988 with salary and grade according to experience. Please send a résumé, statement of research interests and teaching experience, and names and addresses of three references by October 1987 to: Chairman, Search Committee, Department of Marine Science, University of South Florida, 140 Seventh Avenue South, St. Petersburg, FL 33701. The University of South Florida is an Equal Opportunity Employer.

PHYTOPLANKTON ECOLOGIST: The University of Texas Marine Science Institute is reopening its search for an individual to fill a state-funded (75%) non tenure track RESEARCH SCIENTIST position. Preference will be given to candidates competent in the use of modern field and laboratory techniques to study phytoplankton and primary production in coastal waters and estuarine environments. Successful applicants are expected to obtain extramural funding to develop an independent research program and to cooperate in development of field-oriented multidisciplinary projects. Candidates must have a Ph.D. and record of research accomplishments. Postdoctoral experience preferred.

Send letter of application, statement of research interests, curriculum vitae, and names of three references before 2 November 1987 to: Dr. Robert S. Jones, Director, Marine Science Institute, The University of Texas at Austin, Port Aransas, TX 78373.

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW—Henry Ford Hospital announces an immediate opening for the position of postdoctoral fellow in its Molecular Biology Research Laboratory. The individual selected will study the role of chromatin structure in eukaryotic gene expression (see, e.g., Cell 48, 289-295 (1987)). Experience in biochemistry/molecular biology and mammalian cell culture is preferred. Competitive salary and outstanding benefits are available. For consideration send curriculum vitae and the names of three references to: Dr. L. C. Latter, O/C Deloris Hunt, Henry Ford Hospital, Employment Center, 2921 West Grand Boulevard, Detroit, MI 48202. Equal Opportunity Employer.

POSTDOCTORAL FELLOW OR RESEARCH ASSOCIATE to investigate axonal growth in the adult mammalian CNS. Training and experience in biochemical, anatomical or in vitro methods desirable. Send curriculum vitae and letters of reference to: Dr. K. A. Crutchley, Department of Neuroanatomy, University of Cincinnati College of Medicine, 231 Bethesda Avenue, Cincinnati, OH 45267-0515. The University of Cincinnati is an Affirmative Action/Equal Employment Opportunity Employer.

POSTDOCTORAL POSITION available immediately to participate in the studies on ligand receptors and signal transduction in cultured Leydig cells. Must hold Ph.D. or equivalent degree. Send curriculum vitae and names and addresses of three individuals who can be contacted for reference to: Dr. Mario Ascoli, The Population Council, 1230 York Avenue, New York, NY 10021.

POSTDOCTORAL POSITION exists to direct a clinical molecular genetic testing laboratory. The incumbent will perform testing directly and supervise laboratory personnel, conduct molecular diagnosis and participate in research projects. Functions independently with a clinical emphasis in testing and will be active in the clinical genetics setting. Uses technical expertise in such areas as DNA isolation and Northern blotting, DNA sequencing, use of oligonucleotide probes and field inversion, or pulsed-field electrophoresis. Ph.D. in biochemistry or genetics with 3 to 5 years of postdoctoral experience. Must have experience in molecular genetic techniques and with linkage studies: linkage programs. Requires knowledge of relevant issues, such as disease risk calculations using linked markers. Qualified candidates please forward your résumé to: Human Resources Department, Children’s Hospital—Oakland, 747-52nd Street, Oakland, CA 94609. An Equal Opportunity Employer.

AUSTRALIA
CSIRO
INSTITUTE DIRECTORS

The Board of CSIRO has approved a major restructuring of Australia’s largest scientific research organisation to align the Institutes and Divisions more closely with the client industries. The goal is to maintain CSIRO as a leading scientific organisation, but improve the application of research results for economic and social benefit.

The Board now wishes to appoint to the key positions of Institute Directors persons with outstanding leadership qualities, significant backgrounds in science and technology and considerable experience in the management of research and development at a senior level.

The six Institutes in which the Organisation’s research will be carried out by the Divisions are—

- Information and Communication Technologies
- Industrial Technologies
- Minerals, Energy and Construction
- Animal Production and Processing
- Plant Production and Processing
- Natural Resources and Environment

A Director of an Institute will be responsible to the Chief Executive for the strategic management of the Institute, setting strategic directions, allocating resources to the constituent Divisions and developing relationships with industry, government and the community to promote the Institute’s research and the transfer of research results to industry and other users.

An attractive salary and conditions package will be offered.

Further information can be obtained from the Chief Executive, Dr Keith Boardman, FRS.

Expressions of interest should be addressed to:

The Chief Executive
CSIRO
PO Box 225
DICKSON ACT 2602
AUSTRALIA

To be received no later than October 8, 1987.

COMMONWEALTH SCIENTIFIC INDUSTRIAL RESEARCH ORGANISATION

Biotechnologists
Mammalian Tissue Culture

The Bristol-Myers Industrial Division has immediate openings for Tissue Culture Biotechnologists in its new Biotechnology Development Laboratories. The selected candidates will perform tissue culture research and development for the scale-up of promising hybridoma cell lines. Candidates will interact closely with monoclonal antibody specialists and molecular biologists at Bristol's recently acquired Oncogen/Genetic Systems Laboratories in Seattle, Washington.

To qualify, you should have a Ph.D in Tissue Culture/Cell Biology/Mammalian Cell Engineering with publications, and at least 2 or more years experience, preferably in an industrial tissue culture laboratory. Academicians with strong applied interests will also be considered. A strong background in molecular biology and mammalian genetics is a plus.

We offer a competitive salary, strong interaction with molecular biologists and scale-up engineers, excellent benefits and a professional upstate New York environment conducive to growth in a large, stable $5 billion pharmaceutical company. For prompt, confidential consideration, forward your resume with salary history and requirements, to: MANAGER OF EMPLOYMENT

BRISTOL-CYRENS COMPANY INDUSTRIAL DIVISION
Biotechnology Center
PO. Box 4755, Syracuse, New York 13221-4755
An equal opportunity employer M.F.H.V

II SEPTEMBER 1987
Further on
Submit SF-171
Position:

Qualifications:
Responsibilities:
Location:

Further Information on Program or Position:
Further Information on Application Procedures or Submit SP-171 to:

NIMH IS AN EQUAL OPPORTUNITY EMPLOYER

Molecular Biologist

Bio-Rad Laboratories, a world leader in clinical diagnostics, chemical separations and analytical instrumentation, currently has this opportunity for a Molecular Biologist for our Chemical Division.

Participating in an exciting new program to automate DNA sequence film reading, you will develop new DNA sequencing (dideoxy) and other molecular biology products. While this is primarily a laboratory position, you will also work on new applications, conduct sequencing workshops and provide sales/customer training.

Position requires a BS or MS and one year of sequencing experience, along with technical writing and communication skills. Familiarity with microcomputers is desirable.

Please send your resume to Bio-Rad Laboratories, Human Resources, Dept. #167-S0911, 1414 Harbour Way South, Richmond, CA 94804. EOE.

Bio-Rad Laboratories

DIRECTOR OF
MATHEMATICAL AND
INFORMATION SCIENCES
(#86-452)

The Air Force Office of Scientific Research, Air Force Systems Command, located at Bolling Air Force Base in Washington DC, invites applications from individuals with background in Government, university and industrial mathematical or information sciences research. An earned Bachelor's degree with 24 semester hours of math is required. An earned Master's degree is desirable, and a PhD (or equivalent) in the mathematical sciences is highly desired. The Director is responsible for the management of the Air Force Basic research program in mathematical and information sciences under contract to universities and in Air Force Laboratories. A strong background and publication record in one or more of the mathematical or information sciences fields of control theory in information science, computational mathematics, applied analysis, probability and statistics, optimization, and discrete mathematics is required. Experience should include technical, program supervision, planning and budgeting. The position is Senior Executive Service (General) with a salary range of $64,700 to $73,400. No prior Government service is required. Send Standard Form 171, "Application for Federal Employment", as well as narrative statements addressing: (1) technical qualifications; and (2) managerial qualifications, including a list of publications to:

Civilian Personnel Office
1776 MBSQ/DPCA-86-
ATTN: Mrs. Davis
Andrews AFB, MD 20331-5964

Include Announcement # 86-452 on your application. Application must be received by 30 Sept 1987.

AN EQUAL OPPORTUNITY EMPLOYER

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

HEALTH AND BEHAVIOR RESEARCH BRANCH
Psychoneuroimmunology Program

Position:

Qualifications:
Responsibilities:
Location:

Further Information on Program or Position:
Further Information on Application Procedures or Submit SP-171 to:

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Regional Medical Associate

Pharmaceutical Marketing

Currently we have openings in the Midwest and Memphis Regions for a Regional Medical Associate to combine both scientific expertise and marketing skills. The successful candidate will report directly to the Regional Vice President and will be headquartered in Memphis, Oklahoma City, or Tulsa. Responsibilities are to establish effective relationships within large medical institutions, providing scientific liaison and indepth information essential to appropriate use of SKF's products. Will also have training responsibility at the Representative, Medical Staff and Pharmacy levels.

Qualifications include PharmD or PhD in Pharmacology, Biochemistry, Microbiology or other Life Sciences. Must possess initiative, strong communication skills, and interest in Marketing.

In addition to an independent work environment where personal and professional growth are a way of life, we offer an outstanding compensation/benefits package geared to today's market. Please send resume and current earnings to:

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**Biotechnology Research and Development**

Synergen, a leading biotechnology company in Boulder, Colorado, offers the opportunity to build scientific careers in a stimulating intellectual environment. We seek recent Ph.D. level Scientists interested in positions that offer challenging opportunities for professional career growth.

We are seeking the following key individuals:

**Nucleic Acid Chemist** - Ph.D. with 0-3 years postdoctoral experience in DNA/RNA synthesis.

**Molecular Biologist** - Ph.D. with 2-3 years postdoctoral experience in DNA cloning and synthesis of DNA probes.

**Assay Development Scientists** - Ph.D. with 3-5 years postdoctoral or industrial experience in immunology, virology or microbiology with knowledge of immunoassay techniques.

**Virologist** - Ph.D. with 0-3 years postdoctoral experience or equivalent in retrovirology.

**Microbiologist** - Ph.D. with 0-3 years postdoctoral experience in the area of STD's.

As a division of a multi-billion dollar leader in the healthcare industry with research facilities located 30 miles north of Chicago, we offer a competitive starting salary and an excellent benefits program.

If you would like to be considered, please send your resume in confidence to: Anne McNicholl, Personnel Director, Synergen, 1885 33rd Street, Boulder, CO 80301.

Synergen offers competitive salaries, generous benefits, and the financial stability required for future development. Please send a CV, bibliography, and references to:

**Recruitment Director**
1885 33rd Street
Boulder, CO 80301
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• PHYSIOLOGY

Your scientific expertise is the foundation for a strong future

Hoechst-Roussel Pharmaceuticals Inc., fast-growing subsidiary of Hoechst Celanese Corporation, a $4.6 billion division of one of the world’s leading producers of chemicals and pharmaceuticals, has several newly created opportunities for published Pharmacologists or Physiologists. Primary responsibilities will entail developing contacts within medical institutions, universities, teaching hospitals and government research groups. In addition, you will prepare auxiliary technical materials and deliver technical updates/training to field sales personnel.

Ideal candidates will possess a BS in Pharmacy, a PhD in Physiology or Pharmacology, and 2-3 years teaching experience at the university level.

These highly visible positions will provide direct contact with prominent figures in the medical field and pharmaceutical industry.

We offer a superb compensation package, including an excellent salary plus expense account, a company car and outstanding company benefits. Positions are available in the South, Southeast and Midwest.

Send curriculum vitae with current earnings to Mr. Gary Kowalski, Hoechst-Roussel Pharmaceuticals Inc., Route 202-206 North, Somerville, New Jersey 08876. An affirmative action employer M/F/H.

PLANT MOLECULAR BIOLOGIST BIOLOGY

The Department of Biology, Utah State University, Logan is seeking applicants for a tenure-track plant molecular biology position.

The research emphasis of the individual should be the molecular responses of plants to biotic stress (e.g., microbial, insect, etc.) or abiotic stress (e.g., water, salt, etc.). The teaching responsibility will be an undergraduate course, biology course for majors and a graduate course in the area of interest of the applicant.

Utah State University has strong graduate programs in the biological sciences. There is an existing program in plant-microbe interactions within the Department of Biology to provide colleagues for the individual filling this position.

Logan is located in one of the most beautiful valleys of the Rocky Mountains and is near unsurpassed outdoor recreational opportunities. Send application with curriculum vita, statement of research interests, and three letters of recommendation by November 1, 1987 to:

Dr. Neal Van Allen
Department of Biology
Utah State University
Logan, Utah 84322-4500

USU is an AA/EO and IRCA Employer

Faculty Positions
Department of Applied Biological Sciences

The Department of Applied Biological Sciences invites applications for tenure-track faculty positions at the Assistant Professor or non-tenured Associate Professor levels. Candidates should have doctoral education in chemistry, biochemistry, or biology together with postdoctoral experience and potential for independent research. Research interests should be in development of basic approaches to topics with potential long-term application in areas broadly complementary to, and interactive with, current programs. These have the objective of integrating principles of basic science with those of engineering and technology, and to apply these principles to important practical problems. Examples of current programs include: applied biochemistry/biomaterials (e.g., enzyme stabilization; drug delivery systems), microbiology/genetics, (e.g., genetics of industrial microorganisms; biopolymers) and health sciences (e.g., carcinogenesis/mutagenesis; mechanisms of pathogenesis).

Applicants should send curriculum vitae, brief description of research interests and names of references to: Gerald N. Wogan, Head, Department of Applied Biological Sciences, Massachusetts Institute of Technology, 77 Massachusetts Avenue (Room 16-339), Cambridge, MA 02139.

MIT is an equal opportunity/affirmative action employer

PROTEIN BIOCHEMIST

Merck Sharp & Dohme Research Laboratories are currently seeking an experienced biochemist who would be independently involved in developing approaches for the purification of oncogene-related proteins. This challenging position requires a highly motivated individual possessing an M.S. degree or the equivalent and two years experience in protein purifications. Experience in membrane proteins and biophysical characterization is desirable.

The selected candidate will receive excellent salary and benefits and work in a modern and stimulating laboratory environment 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/AA/VH/EMPLOYER
Product Safety Scientist

The Clorox Company, a billion-dollar diversified consumer products manufacturer, has a unique opportunity at its Technical Center located in the greater San Francisco Bay Area, for a Product Safety Scientist to work in the Product Safety and Regulatory Compliance Department. This senior level position provides new product support in evaluating toxicity and regulatory compliance issues including EPA registration activities. Additional important tasks include tracking and assessing the impact of upcoming regulations and developing technologies in the context of product safety.

The successful candidate will have a Masters or Ph.D. in toxicology or a related biomedical field as well as a demonstrated knowledge of the consumer products industry. Excellent written and oral communication skills and problem solving capabilities are essential. A strong background in general toxicology and risk assessment with a special emphasis in dermatology, immunology, environmental toxicology, product liability and regulatory aspects are desirable.

We offer a challenging work environment, professional growth opportunity, competitive salary and a comprehensive benefits package. For prompt, confidential consideration, please send your resume to: The Clorox Technical Center, Human Resources, Dept. 106, P.O. Box 493, Pleasanton, CA 94566. An Equal Opportunity Employer.

Research Scientists

Discover Schering-Plough’s Responsive Research Environment

Contribute to today’s most significant breakthroughs in biological research at Schering-Plough. We can offer you project responsibility, support and recognition to stimulate your best ideas and an opportunity to join an expanding group of bold thinkers.

■ Virology

Schering has an ongoing pharmaceutically-oriented research effort to understand mechanisms of genetic regulation at the molecular level. Expertise in either RNA, DNA or Retro-virology is needed with skills in molecular biology using in vitro and in vivo systems.

Opportunities are available to Senior Scientists (Ph.D. plus at least 1 year’s experience), Associate Scientists (M.S. with 3 years’ experience or B.S. plus 3 years’ experience) and Assistant Scientists (B.S. with 1 year’s experience or M.S.)

■ Cellular Pharmacology

These B.S., M.S., and Ph.D. level scientists will design enzyme and receptor-binding assays to be performed by a natural products screening group. The Senior Principal Scientist will provide scientific research leadership to the group and lead scientific research in projects related to cellular receptor/effector pharmacology. A Ph.D. and 3 years’ experience are required.

■ Cardiovascular Pharmacology

Section Leader—This position, created as a result of research expansion, can be an important addition to your 5-10 years’ post-doctoral experience in cardiovascular pharmacology/physiology. You must have established investigative, organizational and communication skills, a strong publication record and the ability to contribute to the research and direct a large, multidisciplinary group of scientists. In addition, at least 2 years of your experience should be in an industry related to pharmaceuticals.

■ Biotechnology

Senior Immunologist—You will be responsible for developing and supervising immunochemical and biological assays for new lymphokines/cytokines. A Ph.D. and at least one year’s experience are required. Expertise in lymphokines, cytokines or growth factors and assay development and application along with cell culture experience are important.

In all areas, demonstration of superior original research initiative is required along with excellent written and communication skills.

We offer a competitive salary and excellent benefits. For immediate, confidential consideration, forward detailed resume, indicating position of interest, to: Lou DeMartino, Schering Research, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer.
CNS Electrophysiologist

Pfizer's expanding commitment to neuroscience research has created a new career opportunity at the level of research scientist. You will contribute to a multidisciplinary effort targeting the discovery of novel psychotherapeutic drugs. This position requires a PhD and at least two years of postdoctoral research experience with CNS electrophysiology. The exact area of your scientific expertise is less important than a demonstrated ability to carry out innovative research. However, you are particularly well suited for this opening if you have experience conducting in vitro electrophysiological investigations and are versed in intracellular recording and patch clamp techniques. Practical application of these research skills to the field of neuropharmacology is highly desirable.

This position offers a stimulating professional environment with potential for career growth. We are located in an attractive southeastern Connecticut shore location and offer a competitive salary/benefits package with relocation assistance. Qualified applicants should submit their resume, description of research experience and references to: Jerry K. Larson, PhD, Manager of Employment, Pfizer Central Research, Eastern Point Road, Groton, Connecticut 06340.

Wyeth Laboratories has immediate opportunities available in our vaccine and antiviral programs for Research Scientists with a PhD in Microbiology or Biochemistry and a minimum of 2 years postdoctoral experience. Your experience must be in virology, biochemistry and immunology.

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.


Senior Microbiologist
Infectious Diseases Research

The Squibb Institute for Medical Research is recognized internationally as a leader in developing novel therapeutic agents for the treatment of infectious diseases. We are currently seeking an experienced microbiologist who will be responsible for the microbiological evaluation in vitro of new antibacterial and antifungal agents.

Qualified individuals should have a Ph.D. in Microbiology and 2 years relevant postdoctoral experience. Proficiency in clinical microbiology is desirable.

A familiarity with current antibiotic test procedures is necessary as well as an ability to introduce novel evaluation systems. The individual will participate in both the research and clinical microbiology phases of our program interacting with medicinal chemists, biochemists, experimental chemotherapists and physicians.

Squibb is located in Princeton, NJ a pleasant semi-rural setting convenient to both New York City and Philadelphia. In addition to an excellent salary and comprehensive benefits package, we can offer the opportunity for exceptional scientists to pursue stimulating careers.

For consideration, please submit your curriculum vitae to: The Squibb Institute for Medical Research, Human Resources Department 507, P.O. Box 4000, Princeton, NJ 08543-4000. An equal opportunity employer.

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Deadline January 19, 1988
BIOTECHNOLOGY—OPPORTUNITIES

Molecular Therapeutics, Inc., and Molecular Diagnostics, Inc. are biotechnology research groups affiliated with Bayer AG of West Germany and its American subsidiary, Miles Inc. The companies function as basic research institutes, guided by internationally recognized Scientific Boards. Their objectives include development of therapeutics and diagnostics, respectively, based on fundamental understandings of the molecular bases of Human Disease. Integrated teams of scientists with expertise in genetics, immunology, microbiology and structural biology comprise the companies’ staffs. We are expanding our scientific staff and offering outstanding opportunities for Scientists and Technicians with appropriate qualifications.

SENIOR SCIENTISTS
Candidates are expected to have a PhD and 2 or more years of postdoctoral training. Experience in protein biochemistry, molecular biology or molecular genetics is preferred. Senior Scientists are expected to work independently on projects which may involve gene cloning and sequencing, gene transfer, analysis of gene expression, or protein structure/function studies.

RESEARCH ASSOCIATES
Applicants must have BS or MS degree and 1 year or more experience. Proficiency in recombinant DNA techniques, protein biochemistry, nucleic acid hybridization, or diagnostic assay development are desirable. We are also seeking persons proficient in lymphoid cell tissue culture methodology.

The companies are located in a new research facility near New Haven and Yale University, and midway between Boston and New York City. They offer competitive salaries, excellent benefits, and a stimulating and challenging work environment.

Applicants should forward a curriculum vitae along with a statement of research interest and capabilities in confidence to: Research Director, Molecular Therapeutics, Inc./Molecular Diagnostics, Inc., 400 Morgan Lane, West Haven, CT 06516.

POSTDOCTORAL POSITION available immediately for a recent graduate with a Ph.D. in any area of ocularmotor vision research. Candidates with a background in motion perception who want experience in an established human ocularmotor research laboratory are encouraged to apply. This is a Stanford University position located at the Santa Clara Valley Medical Center, where the graduate works with an M.D. neurologist and Ph.D. biomedical engineer. Send resume and three letters of recommendation to: John R. Hobson, M.D., Department of Neurology, Santa Clara Valley Medical Center, 751 South Bascom Avenue, San Jose, CA 95129. Stanford University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION in pulmonary biology, physiology and pharmacology available immediately to conduct NIH-funded research on resectable lung cancer. Multidisciplinary research approaches combine biochemical, biophysical and cell biological techniques to investigate the mechanisms of acute and chronic lung injury. Candidates with a Ph.D. in biochemistry, physiology, or toxicology and a strong background in fields related to either lipid metabolism, respiratory physiology, or cell biology are invited to send curriculum vitae and names of three references to: J. N. Finkestein or R. H. Notter, Department of Pediatrics, University of Rochester School of Medicine, Box 777, 601 Elmwood Avenue, Rochester, NY 14642. Affirmative Action/Equal Employment Opportunity.

POSTDOCTORAL POSITION in BIOENGINEERING RESEARCH. Available for Ph.D. in biomedical engineering, chemical engineering, or physics/biochemistry to work on an exciting NIH-funded project involving the innovative use of immobilized compounds for extracorporal blood detoxification. Send resume and names of three references to: Dr. W. C. Yang, College of Engineering, University of Michigan, Ann Arbor, MI 48109. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in CARDIOVASCULAR RESEARCH. Two positions are available immediately to study the mechanisms of myocardial ischemia and reperfusion injury. The research is focused on (i) the mechanisms of membrane phospholipid breakdown and role of calcium and inositol phospholipids in signal transduction, (ii) the mechanisms of free radical generation in ischemic-reperfused heart. Appropriate areas of expertise for these projects include lipid chemistry, free radical research, and cellular physiology. Applicants should send a summary of research interests, curriculum vitae, and the names of three references to: Dr. Dipak K. Das or Dr. Richard M. Engelberg at the University of Connecticut School of Medicine, Farmington, CT 06032.

POSTDOCTORAL POSITION IN IMMUNOLOGY
Multivyear NIH-funded position available 1 December 1987 to study human phagocytic cell membrane receptors. Research will focus on receptor isolation and characterization, elucidation of signal transduction mechanisms, and development of antireceptor antibodies. Recent Ph.D. in immunology, biochemistry, or related discipline required. Experience in receptor isolation desirable. Salary negotiable. Send curriculum vitae, names of three references, and summary of research experiences to: Dr. M. Zeller, Department of Immunology/Microbiology, Rush-Presbyterian-St. Luke’s Medical Center, 1653 West Congress Parkway, Chicago, IL 60612. Rush is an Affirmative Action/Equal Opportunity Employer.
Bioanalytics/Metabolism

Syntex, a leading pharmaceutical research and manufacturing organization, currently has the following positions available:

Research Section Leader (Enzyme/Immunossensor) Direct the development and application of enzyme-immunological methods for the quantification of analytes in biological fluids.

PhD in one of the chemical or biological sciences, 5-8 years of relevant experience, proven ability to manage a large group of scientific professionals and excellent communication skills.

Staff Researcher/Senior Staff Researcher (Drug Metabolism) Direct the design and implementation of metabolic studies, both pre-clinical and clinical, in support of IND and NDA submissions to the FDA.

PhD in one of the chemical or biological sciences, 3-5 years of relevant experience, preferably in the pharmaceutical industry, proven ability to manage a group of scientific professionals and excellent communication skills.

Post-Doctoral Fellow (Laser Fluorescence Spectroscopy) Develop and apply methods based on laser fluorescence spectroscopy in conjunction with microbore HPLC for bioanalytical quantifications. Suitable equipment for this project already is available. If the project is successful, it is very likely that this post-doctoral position will lead to a permanent staff appointment.

PhD with 1-3 years of relevant experience.

Other positions currently available for BS/MS Biologists/Biochemists/Chemists.

Please send your resume and salary history to Syntex, Professional Employment, Dept. PS/SCI, 3401 Hillview Ave., Palo Alto, CA 94304. An equal opportunity employer.

Post Doctoral Fellow

Seeking a postdoctoral fellow to participate in the mutagenesis and mammalian cell expression of the envelope glycoprotein of the HIV-1 retrovirus within an ongoing collaborative project between Dr. Phillip Berman of Genentech, Inc., and Dr. Don Wiley of Harvard University. Competence in recombinant DNA technology and an interest in protein structure is essential. Experience in protein chemistry and/or immunology is desirable. This grant funded position will be available in late 1987—early 1988. It is anticipated that the great majority of time will be spent at Genentech, Inc. in South San Francisco with an opportunity to also spend time at Harvard University in Cambridge. Please send a resume of educational background, experience and publications with the names of three references to: Dr. Phillip Berman, Department of Molecular Biology and Immunology, Genentech, Inc., 460 Point San Bruno Boulevard, South San Francisco, CA 94080. An equal opportunity employer.

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ENVIRONMENTAL COMPLIANCE
NUCLEAR WASTE MANAGEMENT

Battelle's Office of Nuclear Waste Isolation has immediate needs for senior level Environmental Managers for our Salt Repository Project being conducted for the U.S. Department of Energy. Experience in the nuclear industry or the state of Texas is desirable but not required. All positions are in the Texas panhandle. Typical openings include:

- **COMPLIANCE SPECIALIST**
  MS and minimum of 10 years' experience in developing strategies for NEPA/NWPA compliance, obtaining permits or specifying/documenting the environmental, socioeconomic, and transportation assessment needed to meet state (Texas) and federal regulations.

- **SAFETY ANALYSIS ENGINEER**
  MS in Health Physics or equivalent and 5 years' experience in computer modeling of worker exposure/risk in a nuclear environment.

- **RADIOLOGICAL ENGINEER**
  MS and 5 years' experience in NRC licensing and regulatory compliance and design/operation of nuclear power plants.

- **TRANSPORTATION SPECIALIST**
  MS and 5 years' experience with regulations concerning transportation and handling nuclear materials.

- **NUCLEAR ENGINEER**
  MS and 5 years' experience conducting risk/safety assessment methodologies and experience with siting and NRC licensing/DOCUMENTATIONS.

- **SYSTEMS ANALYST**
  MS and 3 years' experience in verification and utilization of computerized predictive models.

- **ENVIRONMENTAL SCIENTISTS**
  BS/MS and 5 years' experience in planning, integration, and implementation of plans.

- **ENVIRONMENTAL HYDROLOGIST**
  MS/PhD and 9 years' experience in planning, integration, and implementation of water portion of plan.

- **ATTORNEY**
  J.D. and 10 years' experience in environmental law.

- **SOCIOECONOMIC MANAGER**
  MS/PhD and 15 years' experience of applied socioeconomic impact assessment/mitigation and community planning.

- **SOCIAL/SOCIOECONOMIC SCIENTIST**
  BS/MS and 5 years' experience in applied impact and assessment/mitigation and community planning.

Battelle is a world leader in R&D and we offer a comprehensive benefits program and a salary commensurate with your background. Send a resume in confidence to:

**Battelle**

Project Management Division

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Syntex, an international leader in the pharmaceutical and health care industry has two outstanding opportunities for Biologists.

**Flow Cytometrist**

In this position, you will use your flow cytometry expertise to instruct others as well as insure the quality and integrity of data acquisition and interpretation. You must have a complete understanding of this technology as you will be developing new techniques to support all areas of cell biology research and particularly in immunology. Requires a BS in Biology plus 3-5 years of experience in flow cytometry and general biology lab procedures, and sterile cell culture.

**Cancer & Development Biologist**

You will perform in vivo tumor experiments which will include maintaining tumor cell lines in culture, injecting tumor cells and dosing models with potential anti-tumor agents. Requires a BS/MS in Biology or related field with 3 to 5 years of experience with tumor models and tissue culture experience.

To apply, send your resume to Syntex, Professional Employment, Dept. RH, 3401 Hillview A., Palo Alto, CA 94304. An equal opportunity employer.

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**SENIOR STATISTICIAN**

**SAFETY ASSESSMENT**

G.D. Searle, a world wide leader in the pharmaceutical industry, has an outstanding opportunity for a qualified senior statistician to join our Preclinical Statistics Department in our R&D division.

Primary responsibilities include consulting with scientists in Product Safety Assessment in such areas as toxicology, teratology, and pathology. Client interactions will include defining specific problems, developing methods, analyzing data, interpreting results, preparing reports, and training clients in statistical methods. The statistician will also consult with clients in other areas of preclinical research and development.

Ideal candidates will possess a Ph.D. in biostatistics, or equivalent, and a minimum of two years of statistical consulting experience in toxicology, teratology, pathology or related area, preferably in the pharmaceutical industry. An applicant with an M.S. degree and comparable training and experience will also be considered. Experience with computer packages such as SAS or BMDP is highly desirable. Excellent oral and written communication skills are required.

This position offers an excellent salary and benefits package. Searle is located in the northern suburbs adjacent to Chicago, close to a variety of cultural, recreational, and educational attractions. Qualified candidates may respond in strict confidence to: G.D. Searle & Co., 4901 Searle Parkway, Dept. DB, Skokie, IL 60077. An Equal Opportunity Employer.
POSTDOCTORAL POSITIONS IN NEUROBIOLOGY

This NIH-funded project will use single cell voltage-clamp recordings from neurons in intact autonomic ganglia to study the role of neuroactive peptides in avian ocular motor neurotransmission. The applicant must have a strong background in electrophysiology and experience with voltage-clamp techniques. Send current vitae and names of three references to: Dr. Carol Zionek, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS AVAILABLE immediately to study (i) cell polarity induction or (ii) alkaline phosphatase expression in premammary mouse embryos. Experience with immunofluorescence or molecular biology desirable. Send curriculum vitae and list of references to: Dr. Carol Zionek, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Applicants are being accepted from candidates with a Ph.D. in Biochemistry with at least 8 years of postdoctoral training in reproductive or neuropharmacology. Experience must include analytical methods, including HPLC and GCMS, receptor biochemistry in primary tissue systems, and knowledge of signal transduction mechanisms and sensory systems. The position is located at Georgetown University Medical School (FGIN), it is a faculty appointment as a RESEARCH ASSISTANT PROFESSOR (not tenure track) in the Department of Biochemistry, with a salary of $32,000 per year.

If interested, please send resume to: Director, FGIN, 9040 Reservoir Road, N.W., Washington, DC 20007.

REPRODUCTIVE BIOLOGIST. Faculty or postdoctoral position available in the In Vitro Fertilization Program at the Brigham and Women’s Hospital, Harvard Medical School. Experience with embryos and/or embryo freezing desirable. Opportunities exist for research in early embryo development, retrovirus expression in male and female reproductive tracts and ovarian and sperm physiology. Send current vitae, statement of research interests, and names and addresses of three references to: Dr. Patrick M. McBride, Department of Obstetrics and Gynecology, Brigham and Women’s Hospital, 75 Francis Street, Boston, MA 02115.

RESEARCH ASSOCIATES

MOLeCULAR BIOLOGY AND ViroLOGY

Cornell University Medical College invites applications for two postdoctoral positions in a multidisciplinary research laboratory studying alterations in lymphocyte receptors and diffuse and targeted gene expression following infection of human cells with retroviruses, including HIV. The ideal candidates will be experienced in cDNA library construction and cloning, and will collaborate with two other Ph.D.s with experience in protein chemistry and RNA biology. Applicants must have a Ph.D. Initial appointment is for 2 years, with the possibility of reappointment. Send resume and names of two references to: Dr. Jeffrey Laurence, Division of Hematology-Oncology, The New York Hospital-Cornell Medical Center, 525 East 68th Street, New York, NY 10021.

RESEARCH ASSOCIATE

Outstanding career opportunity currently exists in research laboratories (in existence since 1941) located in this field of biological research. The position is in a private research institute interested in heart research.

Will be required to perform analytical tests on various experimental animal models in various aspects of cardiovascular research.

Requirements include an M.S. in biology or biochemistry, or a B.S. in the above with a minimum of 2 years of research experience in a heart research setting. Send resumes and names of three references to: Mr. Roger D. Brown, Director of Personnel, Charlotte Memorial Hospital, P.O. Box 32861, Charlotte, NC 28232. Equal Opportunity Employer.

RESEARCH POSITION

Research associate professor at University of Southern California (USC) Institute of Physics. Lab research will focus on development of new x-ray detection concepts and the development of arrays of x-ray detectors based on HgI2 single-crystal technology developed by the Institute. Responsibilities include proposal writing, management of specific research projects, submission of reports, and engagement of lab engineers and technicians, according to the requirements of sponsored research grants. Will involve collaboration with other research institutions, and the following requirements include Ph.D. in physics, strongly theoretical background, and experience with ionization radiation detection problems. Experience with radiation detection would be advantageous. Salary range is $55,000 to $62,000. Send resume to: Dr. Irwancy, USC Institute of Physics, 4676 Admiralty #932, Marina del Rey, CA 90292.
Positions Open

Research Associate

Perform microsurgery and vascular surgery on rats and pigs to perfect methods of organ transplant, methods of microvascular surgery and to determine effects of drugs. Perform small bowel transplants. Required: M.D. degree or bachelor's in medicine and surgery. Three years of training (1 year of internship and 2 years of residency in surgery), 6 months of experience; 40 hours per week, 5 days. $31,200 per year. Send résumé. No phone calls.

NY State Service, JO#8026986, DOY Code 070101094. 247 West 54th Street, 4th Floor, New York, NY 10019.

Research Project Director. Dynamic non-profit environmental agency seeks a skilled researcher for study of state hazardous waste reduction programs. Duties include organizing research, conducting interviews, data collection. Skills sought include knowledge of chemistry and the ability to write and speak in clear, concise prose.

This is an opportunity to make a major contribution to reducing industrial hazardous waste. Excellent salary and benefits. Send résumés and letters to:

INFORM Personnel Department
381 Park Ave South, 12th Floor
New York, NY 10016

Research Associate Tumor Biology

An established laboratory moving to a new basic research institute seeks Ph.D./M.D. postdoctoral scientist to investigate new approaches to brain tumor therapy based on selective inhibition of lipogenic enzymes. Experience in experimental pathology, pharmacology or in vivo tumor biology would be most helpful. Position is available in October 1987 or later, and offers competitive salary, benefits and excellent facilities in an attractive rural setting. Send curriculum vitae and names of three references to: William Maltese, Ph.D., The Weis Center for Research, Geisinger Medical Center, Danville, PA 17822. Equal Opportunity Employer, M/F/Ph.

Positions Open

Research and Development Senior Scientist

Position available immediately for work in a multidisciplinary team on the biochemical and physiological responses of insect parasitic nematodes to treatments which enhance stress tolerance. Must have a Ph.D. in biochemistry or related field, and experience in the biochemical aspects of stress tolerance or developmental biochemistry. Send résumé and names of three references to: Irene Popiel, c/o Bioius, 1087 East Meadow Circle, Palo Alto, CA 94303.

Research Associate Postdoctoral Fellow

M.D. or Ph.D. in hyperthermia, radiation, physiology, biomedical engineering, or related fields to participate on clinical project investigating effects of hyperthermia on human tumor blood flow and determining distribution and modification of pH in human tumors. Salary commensurate with experience. Send curriculum vitae and two letters of recommendation to: Dennis B. Lemer, Ph.D., Department of Radiation Therapy and Nuclear Medicine, Thomas Jefferson University Hospital, Philadelphia, PA 19107. Equal Opportunity/Affirmative Action Employer.

Senior Position at the Full or Advanced Associate Professor level in COGNITIVE PSYCHOLOGY. Person applying must have a record of significant research accomplishments and a history of extramural funding. The applicant will be expected to provide a leader role in the graduate program in cognitive psychology. All applicants should send curriculum vitae, representative reprints, record of extramural funding and at least three letters of reference to: Irwin L. Goldstein, Professor and Chair, Department of Psychology, University of Maryland, College Park, MD 20742. Attention: Cognitive Search Committee. Women and minorities are encouraged to apply. Telephone calls to discuss this position are welcome. Please call: Professor Goldstein, 301-454-6103. The University of Maryland actively subscribes to a policy of Equal Educational and Employment opportunities. For best consideration, application materials should be received by 1 November 1987.

Research Associate—With at least B.S. in science to work part time (20 hours per week) at salary of $8000 a year in epilepsy at Buffalo, New York. Will work alone under supervision. Should have experience with small animals, know how to set up for microelectrode recordings, record results of experiments and have some experience in writing grant applications. If desired, other half of time, may work in same laboratory on own research project if related to epilepsy or abnormal movements. Write: Box 133, SCIENCE.

Soilborne Fungal Disease Pathologist

Twelve-month tenure-track assistant/associate professorship available 1 July 1988. Responsibilities include research in the area of soilborne fungal ecology/physiology with application to disease situations. Limited teaching in the area of expertise is expected. Ph.D. required in biological science relevant to area of research; postdoctoral experience preferred. Submit curriculum vitae, a short presentation of prospective research program, and names and addresses of three references by 15 November 1987 to: Fred Stedman, Chairman, Search Committee, University of Nebraska—Lincoln, Department of Plant Pathology, Lincoln, NE 68583-0722. Affirmative Action/Equal Opportunity Employer.

Vaccines and Autoimmunity

The Immune Response Corporation, a newly formed San Diego-based biotechnology company, is recruiting SCIENTISTS at the Ph.D. level. Successful candidates will conduct innovative research in viral and bacterial vaccines and immunoregulation with special emphasis on auto-immunity. Current openings exist for individuals with experience in virology, microbiology, cell biology, cellular immunology, immunonchemistry, protein chemistry, and organic chemistry. Interested candidates should submit their curriculum vitae to:

Chief Scientific Officer
The Immune Response Corporation
8950 Villa La Jolla Drive, Suite 1200
La Jolla, CA 92037

Product Line Manager DNA Products

Beckman Instruments, a recognized leader in biochemical and diagnostic products, is seeking a dynamic marketing professional experienced in molecular biology to develop and execute the annual product/marketing plan for DNA sequencing. This will include defining new products and new applications for existing products, product line profit management, and supporting the sales force in achieving sales targets. Qualifications include an MS in molecular biology and excellent written and presentation skills.

Beckman offers an excellent benefits program and competitive salaries. Qualified candidates should send their resumes to Fred Krueger, Personnel Supervisor, Beckman Instruments, Inc., 1050 Page Mill Road, Palo Alto, CA 94304. An equal opportunity employer.

BIOMEDICAL SPECTROSCOPY

Postdoctoral Positions

Battelle's Columbus Division, a world leader in professional research and development services, has two postdoctoral positions currently available in the biomedical spectroscopy area. Both positions provide the opportunity to work in our challenging multidisciplinary environment.

Positions require a Ph.D. in biochemistry, physical chemistry, or spectroscopy. It involves the application of infrared spectroscopy to problems of molecular structure and function, development of new infrared techniques for studying biological molecules, study of various surfaces for their absorption of biological molecules, and study of biomaterials. Positions are located in Battelle operated, NIH funded National Center for Biomedical Infrared Spectroscopy. Positions are one year appointments. Individuals interested in these challenging opportunities should send resumes and three letters of recommendation to: Richard Shaw, Employment Department F-3, Battelle Columbus Division, 505 King Avenue, Columbus, Ohio 43201-2893. An Equal Opportunity/Affirmative Action Employer M/F/H.

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VISITING SENIOR SCIENTIST
LIFE SCIENCES FLIGHT RESEARCH

The JPL Laboratory invites applications to the Visiting Senior Scientist Program in the area of Life Sciences Research. The position requires a Ph. D. or equivalent research experience in Life Sciences; a record of research publications in the refereed literature; a demonstrated ability to work with other scientists, and to synthesize advisory information and strong communication skills.

Applicants must be familiar with NASA's Life Sciences Flight Program with experience in program management and a preference for working with Life Sciences Flight Experiments Program within the Life Sciences Division at NASA Headquarters.

Duties include the following: professional contributions to the research community; conducting peer reviews of proposals; recommending selection of investigators, as well as assisting in the maintenance of a balanced and productive program within the available budgetary resources. The appointee is expected to work closely with Managers and Project Scientists at several NASA centers and to advise potential investigators from the university community how their plans relate to the NASA Life Sciences Flight Program as well as to assure that research and analysis are current and planned. Regional Specialized Research Programs in the area of Life Sciences Flight Flights missions. The incumbent will also work closely with the Headquarters Program Scientist and individual Mission Scientists. Frequent travel and residency near NASA Headquarters (in the Washington, D.C. area) will be required. Appointee must be a U.S. citizen or Permanent Resident, and is expected to return to his/his institution following this NASA assignment. Please send curriculum vitae, bibliography, and the names of four references to: Dr. Harry Ashkenas, 180-900, JPL Visiting Scientist Laboratory, 4800 Oak Grove Drive, Pasadena, CA 91109. Telephone: 818-354-8251. An Equal Opportunity Employer.

JET PROPULSION LABORATORY/NASA

VISITING PROFESSOR
PHARMACEUTICAL SCIENCES

Position available fall, 1987 for visiting professor in the Pharmaceutical Sciences Department. Minimum qualifications: Ph.D., in one of the pharmaceutical sciences with a substantive record of research productivity. Successful candidate will be expected to conduct research, provide guest lectures in area of research expertise. Send curriculum vitae and three reference letters to: R. T. Louis-Ferdinand, Ph.D., Professor of Pharmacology, Department of Pharmaceutical Sciences, Wayne State University, Detroit, MI 48202. Affirmative Action/Equal Opportunity Employer.

REQUEST FOR PROPOSALS

New York City Department of Health, Laboratories is accepting proposals for the Development and Preparation of Examinations for Certification as technicians, technologists, and supervisors in clinical labs and blood banks. Copies of the RFP will be available on Friday, 18 September 1987, upon application to: New York City Department of Health Laboratories, 455 First Avenue, Room 1256, New York, NY 10016. A Pre-RFP conference will be held on: 1 October 1987 at 10:00 a.m. 12th floor, conference room, 455 First Avenue, New York City. Submission Deadline: 13 November 1987 5:00 p.m.

FELLOWSHIPS

THE BLAUSTEIN INTERNATIONAL CENTER FOR DESERT STUDIES

Postdoctoral fellowships available for basic or applied research in the life, physical and social sciences in arid zones. Deadline for application is 15 December of each year. Send curriculum vitae, letter describing research interests, and three references to: Chairman, Postdoctoral Fellowship Committee, The Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Sede Boqer Campus, 84993 Israel.

POSTDOCTORAL FELLOWSHIP

Position to study relationship of thermostolerance, protein synthesis, and steadedown heating in mammalian cells. Requires background in radiation, hyperthermia, biochemistry, or molecular biology. Experience with tissue culture required. Annual starting salary: $20,000. Please send curriculum vitae and two letters of recommendation to: Dennis B. Lepere, Ph.D., Department of Radiation Therapy and Nuclear Medicine, Thomas Jefferson University, Philadelphia, PA 19107. Due to federal government requirements, this position is limited to U.S. citizens or permanent residents. Applications from minority and women candidates are particularly encouraged.

FELLOWSHIP THORACIC ONCOLOGY

A position is available (starting January 1988) in the Department of Thoracic Surgery and Oncology at the Roswell Park Memorial Institute, Buffalo, NY. The center is centered around diagnosis, treatment, and research in the intractable malignancies, especially lung cancer. Areas of interest include chemotherapy, immunotherapy, research in lung cancer immunology and immunopathology. The fellow must have had at least 3 years of approved residency training in the U.S. Interested candidate should contact: H. Takeda, M.D., D.Sc., F.A.C.S., Chief, Department of Thoracic Surgery and Oncology, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, NY 14263; Telephone: 716-845-2300.

MARKETPLACE

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Joel JSM 300 Scanning Electron Microscope with solid state backscattered electron detector. Lower annual lease cost. Smaller table. 5 years old, well maintained and kept on factory service contract. Asking price: $25,000.

Contact: Dr. Peter J. Bugenhagen, Assistant Director, Experimental Pathology, Smith Kline & French Laboratories P.O. Box 1538
King of Prussia, PA 19406-9834
215-770-7409

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Open Your Eyes to Barnes-Hind

Barnes-Hind, Inc., is a manufacturer of contact lenses, contact lens solutions, ophthalmic pharmaceuticals and related products. We invite you to take a look at the following exciting opportunities for advanced degree professionals to help build our growing Research and Development Department.

**Director of Biology**
You will manage the biological research and development of ophthalmic therapeutics and surgical adjuncts as well as provide safety and ADME support to contact lens and IOL R&D efforts. You must have a PhD in a biomedical science plus 8-10 years of experience in biological pharmaceutical R&D with special expertise in efficacy and safety of ophthalmic or topical pharmaceuticals. You should have proven management of R&D projects through the IND/IDE and NDA/PMA process. Technological management skills and substantial experience with applications of the new biology to pharmaceutical research are also necessary.

**Manager of Ophthalmic Pharmaceutical Development**
You will manage the pharmaceutical development (formulation, package and process) of new ophthalmic therapeutic and surgical adjunct products and the improvement of existing products. You must have either a PhD in Pharmaceuticals/Pharmaceutical Chemistry and 3-5 years of experience, or an MS and 5-8 years of industrial pharmaceutical experience, including formula screening, stability set-up specification and shelf-life setting, and IND/NDA preparation.

**Pharmacist III**
You will work in our Ophthalmic Pharmaceutical Development Department to research and develop the formulation, package, and process of new ophthalmic therapeutic and surgical adjunct products. You’ll also maintain and improve existing products. You should have an MS in Pharmaceuticals/Pharmaceutical Chemistry and 3-5 years’ experience, or a BS in Pharmacy or Chemistry and 5-8 years of industrial pharmaceutical experience, including dosage form selection, formulation techniques and screening, package evaluation, stability set-up and monitoring, and specification setting.

**Pharmacist I**
Working in our Ophthalmic Pharmaceutical Development Department, you will manufacture and manage clinical supplies. You will also provide technical support and conduct pharmaceutical development (formulation, package, and process) of new ophthalmic therapeutic and surgical adjunct, and to improve existing products. We require a recent MS in Pharmaceuticals/Pharmaceutical Chemistry, or a BS in Pharmacy or Chemistry with 2-3 years of industrial pharmaceutical experience. This experience should include clinical supply manufacturing and control, formulation screening, package evaluation, and stability set-up and monitoring.

Barnes-Hind will reward your performance with an attractive salary and benefits package. Qualified candidates may submit a resume to Human Resources Department, Barnes-Hind Inc., MS-CEN, 895 Kifer Road, Sunnyvale, CA 94086. An EEO/Affirmative Action Employer. M/F/H/V.

**Polymer Chemist**
Working in our Lens Development Department, you will evaluate and develop polymer applications for novel contact lenses, ocular drug delivery systems, and IOLs (and related devices). You will also coordinate with pharmaceutical development to characterize drug/polymer interactions. We require a PhD in Polymer or Physical Organic Chemistry with up to 2 years’ experience, or an MS and 3-5 years’ experience, or a BS and over 5 years of industrial pharmaceutical/medical device experience.

**Biomaterials Engineer**
You will discover, research and develop novel contact lenses, ocular drug delivery systems, and IOLs (and related devices). You must have an MS in BioMaterials or Chemical Engineering and 1-2 years’ experience, or a BS and 3-5 years of industrial medical device experience, including contact lens development.
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