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Introducing BAKERBOND™ Chiralcel™ and Chiralpak™

For optimum performance in chiral separations of:
- Polar and non-polar enantiomers
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CHIRALpak and CHIRALpak O Type
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Positional Placement

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing; no abbreviations. Any deadline in ad must be at least 2 weeks after date of publication of issue in which ad appears. Also, personnel advertising is accepted only with the understanding that it shall discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual preference.

LINE CLASSIFIED ADVERTISING DEADLINES:
Thursday, 10 a.m., 2 weeks prior to issue date (mailed on issue date).

POSITIONS WANTED: 40c per word, plus $4 for use of box number, per week. $10 minimum, per week. Prepayment required. This rate is available only to individuals seeking jobs.

LINE CLASSIFIED (POSITIONS OPEN, COURSES, FELLOWSHIPS, MARKETPLACE, and so forth): $35.00 per line; $350 minimum, per week. Minimum charge covers one inch on a single column; one inch equals 120 characters and spaces per line. No charge for use of box number. No agency commission for ads less than 4 inches. No cash discount. Prepayment required for all foreign ads. Purchase orders and/or cover letters including billing address required for all other advertising.

To ESTIMATE ad cost:
Structure ad copy on a separate page, on lines of 52 characters and spaces. Include any desired heading. Each line of heading, and/or extra lines, and all partial lines (including centered reply information) are counted as full lines. Ad titles located within the text are printed in boldface caps and are only 32 characters per line. In ESTIMATING the cost, multiply total lines $35.00 = approximate cost of ad. (This is an approximate cost only. Allow for variation between estimated lines and actual typset lines and the resulting final cost. Purchase orders must allow for some degree of flexibility and/or adjustment.)

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NOTE: Ad cancellations made after Thursday, two weeks prior to issue date can result in a 10 percent production charge. Final deadline for cancellations is 12 p.m. Tuesday, one week prior to issue date. Cancellations must be in writing.

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

SCIENCE Classified Advertising
1234 5th Street, NW, Room 8400
Washington, DC 20005
Telephone: 202-737-2000

Send copy for Fractional Display ads, 1/6 page and larger, and all Marketplace ads to:

Schenk Associates, Inc.
1234 5th Street, NW
Washington, DC 20005

Phone: 202-737-2000

Blind ad replies should be addressed as follows:

Box (give number)

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Washington, DC 20005

POSITIONS WANTED


Biophysical Chemist with Organic Chemistry Ph.D. Many years of academic research experience plus publications in biochemistry, pharmacology, and chemistry. Areas include Escherichia coli, radiolabeled agents; functional reconstitution of transport proteins; anesthetic/membrane interactions; preparation and uses of liposomes for membrane studies. Strong background in spectroscopic techniques. Excellent background in chemistry and biochemistry. Seeks challenging position in research/administration (Northeast preferred). Box 120, SCIENCE.

D.V.M., Ph.D., Diplomate in Toxicology and Pathology. Seeking senior position in academia, government, industry, research, or other suitable institution. Interested in investigating pathobiology, including biochemical, mechanisms; experienced in comparative pathology; published innovative research. Will teach and do administrative work as desired. Box 114, SCIENCE.


Flow Cytometry expert experienced in cell sorting, tumor immunology, cell activation, membrane potential, cell cycle, and receptor binding; available full-time or consulting; U.S. or worldwide. Box 7850, Stanford, CA 94305. Telephone: 415-346-4336.

Pharmacologist/Toxicologist, Ph.D. Ten years of experience in autonomic pharmacology/toxicology including radioimmunoasay, radiolamunoasay, and biostatistics. Also familiar with computer-acquired and dynamic measurement techniques. Available immediately. Seeks position in industry or government agency. Telephone: 513-349-6363.

Ph.D. Pathogenic Microbiologist; publications, recent research and teaching experience, international science and technology policy and negotiating experience, seeks academic or industrial position in science and technology policy management. Box 117, SCIENCE.

Science/Administration: have Ph.D., postdoctorate, senior postdoctorate, associateships, fellowships, worked with NASA, NATO, industry and government grants, graduate teaching in U.S., Asia, and Europe. Box 116, SCIENCE.

AGRONOMIST—Assist clients to manage agricultural projects in southeastern Asia, using experience in implementing agricultural projects funded by international organizations. Provide technical advice on new methods of growing crops, seed production, irrigation, transportation, agricultural research and extension, rural development, and agricultural sector analysis. Requires: Bachelor's degree in soil/crop science. Must have 5 years of experience, in job offered or as agriculturalist. Forty hours a week; 8:30 to 5:00; $29,000 per year. No calls. Mail resume to: NFS Job Services, 247 West 54th Street, 4th Floor, New York, NY 10019. JO# 10810541.

The National Oceanic and Atmospheric Administration seeks applications for the position of ASSISTANT ADMINISTRATOR/DIRECTOR, Office of the National Weather Service (NWS). The NWS provides meteorological, hydrological, and climatic forecast services and products nationally and internationally. Position is in the Senior Executive Service; salary to $77,500 based on qualifications. Minimum qualifications include a bachelor's degree in meteorology or atmospheric science, with at least 3 years of professional experience. Contact: Evelyn Fritz; 301-443-8834 for application forms. Applications must be received prior to closing date of 21 September 1987. An Equal Opportunity Employer.

ASSISTANT PROFESSOR OF BIOCHEMISTRY. The Departments of Pediatrics and Biochemistry at the University of Michigan in Ann Arbor have a position available (non-tenure track) in the Section of Pediatric Neurology. A Ph.D. in biochemistry or molecular biology and 3 years of postdoctoral training are required. The laboratory is investigating interactions between endothelial cells and astrocytes important to the function of the blood-brain barrier on response to injury. The successful candidate will be expected to develop an independent research program and have an interest in teaching biochemistry or molecular biology. Applicants should send curriculum vitae, three letters of reference, and most significant reprints to: Gary Goldstein, M.D., Section of Pediatric Neurology, 6060 Kresge II, University of Michigan, Ann Arbor, MI 48109. Telephone: 313-763-6645. A non-discriminatory affirmative action employer.
ASSISTANT PROFESSOR OF BIOLOGICAL SCIENCES, UNIVERSITY OF COLORADO, BOULDER
Applications are sought for one tenure-track position to begin in September 1988. Priority is in macro-molecular crystallography or a related area of structural biochemistry; however, an appointment may be in an alternative field. Applications in all areas of biochemistry are welcome, and those with approaches that interface with other disciplines are encouraged. Candidates should send curriculum vitae, representative reprints, statement of research plans and three letters of reference to: Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of Colorado, Campus Box 215, Boulder, CO 80309–0215. The applications will be evaluated 1 November 1987, although late applications may be considered if the position has not been filled. The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity, and we are particularly interested in candidates in the areas of plant molecular and developmental biology, molecular endocrinology, and molecular neurobiology but we will consider exceptional applicants in other fields. We encourage applications from women and minority groups. Applications should include curriculum vitae, reprints of publications, statement of research plans, and three letters of recommendation, solicited by the applicant. Completion should be no later than 15 September 1988 and sent to: Diane Baldwin, Administrator, CDB Search Committee, Biological Sciences, University of Colorado, Campus Box 456, Boulder, CO 80309–0456. The University of Colorado at Boulder is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR (RESEARCH) A position is available immediately at the assistant professor level (non–tenure track). A multidisciplinary group studying aspects of lipoprotein-apo(a)-protein metabolism in vivo is seeking a postdoctoral candidate. Candidates should have a Ph.D. in biochemistry, cell biology, or related discipline, and at least 2 years of postdoctoral experience, with demonstrated productivity. Please submit a letter of application with curriculum vitae, reprints or preprints of recent experimental work, and the names of three references to: Dr. Paul S. Rohbein, Department of Physiology, L.S.U. Medical Center, 1542 Tulane Avenue, New Orleans, LA 70112–2822. LSU/MC is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR (NON–TENURE TRACK) A position is available immediately for a Ph.D. with a strong background in biochemistry, pharmacology, xenobiotic metabolism, or toxicology. Research projects under investigation in the laboratory are concerned with the mechanism of action of cytochrome P-450 and its role in the metabolic activation and detoxication of lipid-soluble carcinogens and other xenobiotics. The successful applicant will be encouraged to develop his/her own individual research program within the interests of the laboratory and ultimately to apply for their own individual NIH grant support. Initial support is from $25,000 depending on experience. Send curriculum vitae, a brief statement of research experience, and the names of three references to: Dr. Paul F. Hoffer, Chairman, Department of Pharmacology, School of Medicine, Wayne State University, 540 East Canfield, Detroit, MI 48201. An Affirmative Action/EQUAL Opportunity Employer.

ASSISTANT PROFESSOR OF BIOLOGY-MOLECULAR BIOLOGY The Animal Science and Dairy Science Departments at the University of Florida invite applicants for a full-time tenure-accruing 12-month appointment at the assistant professor level commensurate with the candidate's postdoctoral experience. The position requires expertise in the areas of replication, transcription, and DNA repair. Exploration of roles of regulatory proteins and peptides and to teach a graduate level course emphasizing the use of techniques in molecular biology in animal agriculture. A Ph.D. in biochemistry, molecular biology, or agricultural biophysics is required and postdoctoral training in molecular biology is required. Last date for receipt of application is 1 November 1987. Send a letter of application, curriculum vitae, undergraduate and graduate transcripts, and a minimum of three letters of recommendation to: Dr. Fuller W. Bazer, Animal Science Department, or Dr. W. W. Thater, Dairy Science Department, University of Florida, Gainesville, FL 32611. The University of Florida is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR, CELLULAR AND DEVELOPMENTAL BIOLOGY DEPARTMENT ASSISTANT PROFESSOR. The Department of Cellular and Developmental Biology intends to make one and possibly more appointments at the assistant professor level to be filled during the 1988/1989 academic year. We are particularly interested in candidates in the areas of molecular and developmental biology, molecular endocrinology, and molecular neurobiology but we will consider exceptional applicants in other fields. We encourage applications from women and minority groups. Applications should include curriculum vitae, reprints of publications, statement of research plans, and three letters of recommendation, solicited by the applicant. Completion should be no later than 15 September 1988 and sent to: Diane Baldwin, Administrator, CDB Search Committee, Biological Sciences, University of Colorado, Campus Box 456, Boulder, CO 80309–0456. The University of Colorado at Boulder is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR, MICROBIOLOGY The Department of Biological Sciences at The Pennsylvania State University is seeking a microbiologist with experience in teaching general bacteriology to fill a tenure-track position at the assistant professor level, available September 1987. The individual will be expected to teach general bacteriology and medical microbiology, develop a vigorous independent research program, and to direct graduate student research. Candidates must have a Ph.D. in microbiology, be committed to excellence in teaching, and have a demonstrated record of research activity. Applications containing a statement of teaching and research interests, curriculum vitae, and a list of four references should be sent to: Microbiologist Search Committee, Department of Biological Sciences, Pennsylvania State University, University Park, PA 16802. Closing Date: 4 September 1987, or until filled. PSU is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF PHYSIOLOGY The Department of Physiology is seeking candidates for a faculty (12-month tenure-track) position at the assistant professor level. The Department currently has an orientation in cardiovascular and integrative physiology with a concentration in the regulation of organ fluid balance. We are seeking an individual whose research interests are in cardiovascular, integrative and renal physiology, and who is preferably pursuing these interests at the cellular level, but with an integrative view toward the whole organism. Experience includes Ph.D. or M.D., completion of 2 years of postdoctoral training, a sound background in general physiology, and the ability to develop own research program. Will be responsible for teaching endo- crine physiology in the Medical Physiology Course. Opportunities exist for collaborative research and participation in graduate education. Submit curriculum vitae, statement of research interests, and the names of three references by 25 September 1987, to: Northeastern Ohio Universities College of Medicine, c/o The Office of Human Resources, B.A. Maron, Ph.D., P.O. Box 2000, Rootstown, OH 44272 An Affirmative Action/EQUAL Opportunity Employer.

ASSISTANT PROFESSOR OF SOILS/WATERSHED MANAGEMENT The University of Michigan, School of Natural Resources, is seeking applications for the position of assistant professor of soils/watershed management. Nine-month tenure-track research and teaching position. Applicants should have a Ph.D. in their primary training, research, and teaching experience in water or soil management with an ability to apply this expertise broadly. A Ph.D. degree and experience in teaching and research in applying these principles to natural resource management and planning are essential. A strong background in quantitative sciences, ecology, and soil chemistry also is expected. Applicants should submit curriculum vitae, research interests, examples of major publications, transcripts, and three letters of recommendation by 31 October 1987 to: Professor M. J. Crowfoot, Department of Natural Resources, 3516 Dana Building, The University of Michigan, Ann Arbor, MI 48109–1115. Telephone: 313-764-2550. The University of Michigan is a Non-discriminatory Affirmative Action Employer.

SEARCH EXTENDED. Applications are invited for a tenure-track position at the ASSISTANT PROFESSOR level as well as a POSTDOCTORAL POSITION. The Department of Chemistry and Biochemistry is seeking a candidate with demonstrated skills in a non-membrane biology. Applicants are required to have a Ph.D. degree and experience in teaching and research. Research foci include, but are not limited to, protein structure, carbohydrate structure, and chemical synthesis. Candidates are expected to develop an independent research program in collaboration with the Department's current facilities. Applications should include CV, complete bibliography, and three letters of recommendation. Applications for the postdoctoral position should include CV, letter of recommendation, and statement of research interests. Closing date for both positions: 31 July 1987. Send application to: Dr. Charles S. Nicewicz, Department of Chemistry and Biochemistry, Amherst College, 85 South Pleasant Street, Amherst, MA 01002. Amherst College is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR, SCHOOL OF NATURAL RESOURCES, is seeking applications for a tenure-track position in molecular biology research. The position provides unusual opportunities for collaborative work with scientists in related disciplines within a strong research university. Positions with tenure are available starting January 1988 or until a suitable candidate is found. Equal Opportunity through Affirmative Action.

ASSISTANT/ASSOCIATE PROFESSOR OF NUTRITIONAL SCIENCES. Tenure-track position in one of the Departments at Cornell University. Teaching and advising in maternal, child, and adolescent nutrition; research in human nutrition using either animal models or human subjects. Send letter and resume to Dr. R. B. Postgate, University of Massachusetts, Amherst, MA 01003. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF NUTRITIONAL SCIENCES. Tenure-track position in one of the Departments at Cornell University. Teaching and advising in maternal, child, and adolescent nutrition; research in human nutrition using either animal models or human subjects. Send letter and resume to Dr. R. B. Postgate, University of Massachusetts, Amherst, MA 01003. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.
VISITING PROFESSORSHIPS AT WEIZMANN INSTITUTE

The Weizmann Institute of Science, Rehovot, Israel, offers a limited number of Visiting Professorships in the Natural and Exact Sciences, including the Erna and Jakob Michael Visiting Professorships 1988/89 and the Joseph Meyerhoff Visiting Professorships 1988/89.

The Visiting Professorships are intended for candidates already holding the rank of Full Professor or equivalent and will be for a duration of two months to one year.


For further information and application forms, please contact: The Academic Secretary, The Weizmann Institute of Science, Rehovot 76100, Israel.

BASIC NEUROSCIENTIST

The Ohio State University College of Medicine seeks applications for a tenure-track position at the assistant or associate professor level in our expanding interdisciplinary neuroscience program. The position requires research expertise in cellular/molecular biology of neurons or biophysics of excitable or receptor-mediated membrane functions. The successful applicant will be expected to maintain a nationally competitive research program, and to participate in the development of educational programs in neuroscience. Candidates should have an M.D., Ph.D., or equivalent, and a minimum of 2 years of postdoctoral training. Preference will be given to candidates with funded research in progress. Substantial start-up funds are available. A tenure-track appointment will be in the Department of Anatomy, Pharmacology, Physiology or Physiological Chemistry depending upon the area of competence of the appointee.

Please submit curriculum vitae, statement of current research interests, and three to five letters of reference to:

Dr. James S. King, Neurosciences Program, Department of Anatomy, 4066 Graves Hall, The Ohio State University, Columbus, OH 43210 by 30 October 1987.

Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST—HPLC RESEARCH AND DEVELOPMENT

Supelco, Inc., a subsidiary of Rohm and Haas Company and a leading manufacturer of chromatography products, has an opening for an innovative biochemist in our HPLC Research and Development department. You will select HPLC applications for biochemical samples, and perform sample preparation and multistep chromatographic separations. You should have a Ph.D. in biochemistry or biology (or the equivalent in education and experience), plus hands-on industrial or academic experience in HPLC chromatography and biochemistry. A Ph.D. in biochemistry or biology (or the equivalent in education and experience) is preferred. You should have excellent written and oral communication skills. We can offer you a professional environment in scenic central Pennsylvania (far from the rat race, but near Penn State), plus a competitive salary, excellent benefits, and a real opportunity for professional growth. For confidential consideration, please send your resume and salary history to: Personnel Office, Supelco, Inc., Supelco Park, Bellefonte, PA 16823. An Equal Opportunity Employer.

CELL BIOLOGIST: ION TRANSPORT ION–CHANNEL REGULATION

Postdoctoral fellow or research associate to join a research group investigating the cellular basis of cystic fibrosis. Should be experienced in ion-transport, patch-clamp recording or microelectrode recording. Special emphasis will be on studies of channel regulation by intracellular messengers. The position is available 1 September 1987. The position is fully funded for 3 years by a well-equipped and staffed laboratory for cellular electrophysiology studies of excited and cultured tissue will be provided. Write for further information, or apply directly by sending curriculum vitae and names of references to:

Dr. Jeffrey J. Wine, Cystic Fibrosis Research Laboratory, Building 420, Stanford University, Stanford, CA 94305-2130. Equal Opportunity/Affirmative Action Employer.

PROTEIN CHEMIST

Outstanding opportunity to purify and characterize novel human tumor derived growth factors. Experience in high performance purification techniques essential. Salary dependent upon experience. Position available immediately, initial commitment 2 years. Send CV and references to: Dr. Marc Lippman, Medicine Branch, Building 10, Room 12N226, National Cancer Institute, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892.

Equal Opportunity Employer

The Medicinal Chemistry Department of BOEHRINGER INGELHEIM PHARMACEUTICALS, Inc. is seeking a

Computational Chemist

with Ph.D. and postdoctoral training and experience in molecular modeling.

Applicants should be well versed in modern computational methods and should have an interest in applying/developing novel methods and concepts for the design of drugs. Selected candidate will work in a drug discovery program dedicated to development of therapeutically useful peptidomimetics.

Preferred areas of interest and expertise include protein modeling based on homology, peptide conformation, molecular dynamics and QSAR.

BOEHRINGER INGELHEIM offers a highly competitive compensation and benefits package, relocation assistance, an excellent work environment and the opportunity to have your contributions recognized at our DANbury, CT, facility.

For immediate consideration, please submit your resume to:

Dept. JC-11, R & D, BOEHRINGER INGELHEIM PHARMACEUTICALS, Inc., 90 East Ridge, PO. Box 368, Ridgefield, CT 06877. An equal opportunity employer m/f/h/v.
CEREAL GENETICS/PHYSIOLOGY FORAGE AND CEREALS RESEARCH

A Cereal genetics/physiology position is in place. The USDA, Agricultural Research Service (ARS), has an opening to determine physiological and morphological bases for tolerance to abiotic (heat and cold) stress in winter rye and for assessment of the management of genetic tolerance to abiotic stress, and to screen our portfolio and use germplasm with superior tolerance to abiotic stress. The position requires expertise in plant genetics, physiology, and field plot procedures. Ph.D. desirable. Salary is commensurate with experience. Salary: $47,717. Have a Ph.D. Must be U.S. citizen. Application deadline is 15 September 1987. For research program information contact: R. H. Hill, USDA-ARS, U.S. Regional Pasture Research Laboratory, Curtis Road, University Park, PA 16802; telephone: 814-863-0939. For application procedure/forms contact: Sandra Thomas, 501-544-3950. Applications in excess of three may be marked on SEVERITY. Send application to: Sandra Thomas, USDA-ARS Personnel Division, Personnel Operations, Room 603, Room 125. BARC-W, Beltsville, MD 20705. ARS is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

CHAIRPERSON, DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY

The University of Maryland School of Pharmacy. Applications are invited for the position of Professor and Chairperson. The department is composed of six full-time faculty, with 22 predoctoral students currently enrolled in its M.S. and Ph.D. programs in pharmacology/toxicology. The department maintains a strong research program in neuropharmacology, pharmacology and toxicology, in addition to performing an integral educational role in the professional degree programs (B.S. and Pharm. D.) in pharmacy. Applicants must have a distinguished research record and proven leadership, administrative, and teaching capabilities. Knowledge of and interest in clinical pharmacy and health care systems will be given consideration. Salary and start date are negotiable. Send letter of interest and curriculum vitae to: Dr. Stuart Speedie, Chairman, Search Committee Chairman, UMAB School of Pharmacy, University of Maryland, Baltimore, MD 21201, by 15 October 1987. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

CHAIRPERSON, DEPARTMENT OF BIOCHEMISTRY

The State University of New York at Buffalo. In conjunction with a new Biochemistry Building scheduled for completion in 1989, we are searching for a new chairperson with a proven record of excellence in research and teaching of biochemistry or molecular biology. Applications or nominations should be sent to: V. G. Murphy, Search Committee Chairman, 100 Glover, State University of Buffalo, Buffalo, NY 14260. Telephone: 716-645-2515. Applications should contain a letter of interest, curriculum vitae, name and addresses of three references and three representative publications. Review of applications will begin 15 October 1987, but applications will be accepted until suitable candidates are found. SUNY is an Equal Opportunity/Affirmative Action Employer. Equal Opportunity Office: 314 Student Services Building, Buffalo, NY 14260-0230.

CONNECTICUT—CHAIRPERSON, ORAL DIAGNOSIS

Full-time, tenured position directing a department which encompasses oral diagnosis, medicine, pathology, and radiology. An earned doctorate, preferably in dental medicine or medicine is required. Advanced education in oral pathology, oral medicine, or oral radiology and Board certification in one of these disciplines or equivalent education and experience is highly desirable. Send letter of interest, curriculum vitae, name of three references and three representative publications to: Dr. Robert T. Paolillo, University of Connecticut Health Center, Farmington, CT 06032. Connecticut is an equal opportunity/affirmative action employer.

CHIEF OFFICER—MICROBIOLOGY/IMMUNOLOGY

The Loma Linda University School of Medicine invites applications for the position of Chairperson of the Department of Microbiology and Immunology. The candidate should have either an M.D. or Ph.D. degree or both and have demonstrated leadership and productivity in teaching and research. Experience in academic administration is desirable. Loma Linda University is a private institution where education is conducted within a Christian environment. The University is a religiously qualified, Equal Opportunity Employer. Nominations and applications should be sent to: B. Lyn Behrens, Dean of School of Medicine, Loma Linda University, Loma Linda, CA 92350. Applications should include curriculum vitae and the names of three references. Closing date for applications is 30 November 1987.

DEAN, SCHOOL OF HEALTH SCIENCES

Florida International University

The University is inviting applications and nominations for the position of Dean of the School of Health Sciences. Candidates should have an earned doctorate in a health related discipline, experience in academic administration, and demonstrated ability to generate community support and obtain external funding for research and program development. Position must be received prior to 28 September 1987. Completed applications, letter of interest, curriculum vitae, and three references, must be received on or before 8 October 1987. For further information contact: The Chairperson, Search and Screen Committee Chair, Florida International University, School of Health Sciences, Miami, FL 33199; Telephone: 305-554-5444. An Affirmative Action, Equal Opportunity/Equal Access Employ- er and Institution, Member of the State University System of Florida. We hire only U.S. citizens and lawfully authorized alien workers.

DIRECTOR, V IRGINIA MASON RESEARCH CENTER

Virginia Mason Research Center (VMRC) is the research component of Virginia Mason Medical Center, a major Pacific Northwest regional referral center which also includes Virginia Mason Clinic and Hospital. The basic science directorship should include the following: demonstrated experience and effectiveness in research program planning and development, and personnel recruitment; expertise in establishing relationships with national, state and local governmental research funding; science/technology decision-making; scientific research; financial planning and management experience; current or past involvement in biomedical research; M.D. and/or Ph.D. in biomedical sciences preferred. Equal Opportunity Employer. Affirmative Action Employer. Minorities and women are especially encouraged to apply. Send curriculum vitae before 15 November 1987 to: Richard H. Winterbauer, M.D., President, Board of Directors, VMRC, 1000 Seneca Street, Seattle, WA 98101.

DIRECTOR, CLINICAL CYTGENETICS LABORATORY

The Department of Radiation Health, Graduate School of Public Health, University of Pittsburgh, is seeking a faculty member to direct its Clinical Cytogenetics Laboratory, which emphasizes the assessment of radiation overexposure, diagnosis of leukemia and other neoplastic diseases, monitoring of therapeutic efficacy of bone marrow transplantation and chemothera- py. Other functions include participation in radiation cytogenetics research and radiobiology teaching of graduate students. Ph.D. required in cytogenetics, radiobiology, or related field, and American Board of Medical Genetics certification in Clinical Cytogenetics preferred. Please send resume to: Niel Wald, M.D., Department of Radiation Health, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA 15261; telephone: 412-647-7322 for additional information. Affirmative Action/Equal Opportunity Employer.

DIRECTOR, MEDICAL MEMORIAL NEUROSCIENCE UNIT

The University of Toronto and the Toronto Hospital are seeking a Director for the Helen Scott Playfair Memorial Neuroscience Unit. The successful candidate will be an internationally recognized neuroscientist who will qualify for the rank of professor. The Playfair Neuroscience Unit is housed in a large teaching hospital and comprises a group of basic and clinical neuroscientists. The individual should personally be conducting research in a major area of current concern in neurosci- ence. Applications and nominations will be considered until the position is filled. However, the Search Committee encourages both men and women to apply for positions. Applications, including current curriculum vitae, should be sent to: Dr. John C. Thomas, Dean of the Faculty of Medicine, University of Toronto, Toronto, Ontario MSS 1A8. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.
DEPUTY DIRECTOR, Office of Systems Development. The National Weather Service (NWS), NOAA, U.S. Department of Commerce, is seeking applicants for a senior executive position, Deputy Director, Office of Systems Development located in Silver Spring, Maryland. Salary is negotiable from $64,700 based upon experience, scientific achievements, and qualifications. The incumbent is responsible for leading the introduction of advanced meteorologic and hydrologic observing, interactive information processing, and communications technology into the operations of the NWS; coordinating joint technical projects in NOAA involving other major lines of business; and NOA and other Federal Agencies. Serves as the focal point for planning, specification, design, demonstration, etc. of automated systems aimed at improving NWS programs. Qualifications include strong educational background and wide experience in the field of atmospheric science; professional knowledge and practical experience in the research, development, engineering, and applied research; executive competence in broad areas of administration such as program planning and evaluation, organizational representation and liaison, resource acquisition and administration, and human resource utilization including Equal Employment Opportunity. To apply: Please send application, including Equal Employment Opportunity information, by October 1, 1987 to: Evelyn Fritz, 301-443-8834 for application forms. Reference Vac. #NOA87-20EF. Applications must be received prior to the closing date of 28 September 1987. An Equal Opportunity Employer.

DIRECTOR OF LOMBARDI CANCER CENTER AT GEORGETOWN UNIVERSITY

Georgetown University School of Medicine seeks an Investigator/Administrator as Director of his Vincent T. Lombardi Cancer Center. An applicant or nominee may hold an M.D. or Ph.D. or both, may currently be a member of a basic science or clinical department, and should have a background in biomedical research in oncology with appropriate administrative experience. Curriculum vitae and references should be sent before 1 October 1987 to: Milton Corn, M.D., Dean, School of Medicine, Georgetown University NW 104 Medical-Dental Building 3900 Reservoir Road, N.W., Washington, D.C. 20007 Georgetown University is an Affirmative Action/Equal Opportunity Employer.

ELECTRON MICROSCOPY SCIENTIST

M.D. or Ph.D. with experience in cell biology research and electron microscopy background including TEM, SEM, TEM, EDAX, and quantitative morphometry is required. In addition to standard methods of sample preparation, applicants should be familiar with immunocytochemical and enzyme localization methods. Applicant should have experience in the writing of grants and procurement of grant support. Position involves full-time research within the Department of Medicine with potential for a faculty appointment. Collaboration with other investigators is encouraged. Send resume, with publications, to G. Weisberg, Ph.D., Chief Research Division, Department of Medicine, The Graduate Hospital, 19th and Lombard, Philadelphia, PA 19146. An affiliate of the University of Pennsylvania. Equal Opportunity Employer M/F/HIV.

UCLA Engineering Research Center for the Control of Hazardous Substances: Applications are invited for the position of EXECUTIVE DIRECTOR. Coordinate university/industry research programs, workshops, on-line management responsibilities; report to Center Director. Candidates should have a doctorate in engineering, and 25 years of background in relevant industry R&D; senior management experience. Some experience with university programs desirable. Curriculum vitae with three references should be sent to: Dean Nicholas Alexopoulos, Chair, Search Committee, ERC for Hazardous Substance Control, 7400 Boelter Hall, UCLA, Los Angeles, CA 90024-1000.

21 AUGUST 1987
POSITIONS OPEN

ELECTRON MICROSCOPIST (Research associate) with baccalaureate degree (minimum) and extensive experience in the independent study of human cells and tissues. Expertise must include at least three of the following techniques: immunocytochemistry, histochemistry, cryo-ultramicrotomy, post-embedding immunolabeling, immunogold labeling with silver enhancement (IGSS); video microscopy. The successful candidate will have major responsibility for design and implementation of experiments in fields of mast cell and neutrophil biology. Additional expertise in two of the following areas is required: quantitative image analysis, EM of viruses or macromolecules; autoradiography; data analysis; microcomputers. Please send résumé and names/addresses of three references to: Dr. Marc M. Friedman Chairman, Search Committee D.M.V.I. Georgetown University Medical Center 3940 Fishers Lane Rockville, MD 20852

An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITION WORCESTER POLYTECHNIC INSTITUTE

The Department of Biology and Biotechnology of Worcester Polytechnic Institute invites applications for a tenure-track faculty position at the assistant or associate professor level beginning between 1 January and 1 September 1988. Applicants must have a Ph.D. and at least 2 years of postdoctoral research experience. The successful candidate will have demonstrated capability for an independent research career and a commitment to excellence in both undergraduate and graduate education. Applicants for appointment as associate professor must have an ongoing research program and teaching experience. Preference will be given to candidates with teaching capability in the area of molecular biology and genetics, and whose research complements existing strengths of the department, including cell structure and function, plant physiology and molecular biology, neurophysiology, and bioprocess technology. Applicants should submit curriculum vitae, including past and future research, and three letters of recommendation to: Search Committee, Department of Biology and Biotechnology, Worcester Polytechnic Institute, Worcester, MA 01609. Applications will be accepted until 1 October 1987.

POSITIONS OPEN

FACULTY POSITIONS KING ABDULAZIZ UNIVERSITY

Applications are being accepted by the Faculty of Meteorology, Environment and Arid Land Agriculture, King Abdulaziz University for the following three faculty positions:

1. HORTICULTURAL SCIENTIST
2. FLORICULTURE SCIENTIST
3. ANIMAL BREEDING SCIENTIST

Applications should hold a Ph.D. in horticulture, floriculture, or animal breeding, or closely related field, and possess a proven record in teaching and research. Candidates should submit curriculum vitae, including a list of publications, statements of research interests and teaching experience, and three letters of reference 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 Abdulaziz University offers a generous housing and furnishing allowance, end of year vacation, 60 days of paid summer leave each year, educational allowance for school-age children, transportation allowance, and annual round-trip airfare from home to Jeddah. Term of employment is for 1 year with opportunity for renewal.

POSITIONS OPEN

FACULTY POSITIONS IN MOLECULAR AND STRUCTURAL BIOLOGY

The Department of Biochemistry and Molecular Biology plans a major expansion in the general areas of molecular biology and structural biochemistry. Tenure-track faculty positions at ranks commensurate with experience are open for qualified candidates with a commitment to excellence in research and graduate teaching in the general areas of structural and functional biology. The combined facilities of the Department of Biochemistry and Molecular Biology and the Analytical Chemistry Center include a state-of-the-art instrumentation for biochemical NMR (500, 600, 750, and 900 M Hz), MS, laser NMR, mass spectrometry, Fourier transform infrared, protein and nucleic acid analysis, GC and FAB mass spectrometry, and computational chemistry will be used to expand research programs in areas such as molecular modeling, macromolecular structure, function and engineering, gene regulation and expression, gene expression, protein-protein and protein-DNA interactions, and the structure and function of macromolecules. The successful candidate will have demonstrated capability for an independent research career and a commitment to excellence in both undergraduate and graduate education. Applicants for appointment as associate professor must have an ongoing research program and teaching experience. Preference will be given to candidates with teaching capability in the area of molecular biology and genetics, and whose research complements existing strengths of the department, including cell structure and function, plant physiology and molecular biology, neurophysiology, and bioprocess technology. Applicants should submit curriculum vitae, including past and future research, and three letters of recommendation to: Search Committee, Department of Biology and Biotechnology, Worcester Polytechnic Institute, Worcester, MA 01609. Applications will be accepted until 1 October 1987.

POSITIONS OPEN

FACULTY POSITION BIOCHEMISTRY/MOLECULAR BIOLOGY

The Department of Biochemistry, University of Arkansas for Medical Sciences, invites applications for a tenure-track position at the assistant or associate professor level. Preference will be given to candidates with expertise in the area of molecular biology and genetics, particularly in the following areas: enzyme engineering of glycosylated and/or membrane proteins that have established an independent research program. Candidates are expected to develop a vigorous research program, enhance laboratory facilities, and obtain ongoing support. Applications are particularly encouraged from those who have a Ph.D. with a minimum of 2 years of significant postdoctoral experience using molecular genetics to solve problems of protein structure and function. This is an opportunity for an energetic researcher to join an academic program committed to excellence in research and teaching. Those interested should submit a current curriculum vitae, a summary of accomplishments and future plans, and three letters of recommendation by 1 October 1987 to: Ernest Peck, Chairman, Department of Biochemistry, University of Arkansas for Medical Sciences, Slot 516, 4301 West Markham, Little Rock, AR 72205. UAMS is an Affirmative Action/Equal Opportunity Employer.

Harvard University: The Department of Psychology invites inquiries from persons qualified for appointment to a FULL PROFESSOR level in the area of cognition, broadly construed to span cognitive psychology and cognitive science. Competence in computational modeling of cognitive neuroscience is desirable. Candidates should indicate their interest by writing to: Brennan Harrell, Chairman, Department of Psychology, Harvard University, Cambridge, MA 02138. Curriculum vitae and three letters of reference should be included. Applications from women and members of minority groups are especially welcome. The closing date for applying is 25 November 1987.

HEAD MICROCHEMISTRY CORE FACILITY SLOAN-KETTERING INSTITUTE

The Sloan-Kettering Institute of Memorial Sloan-Kettering Cancer Center is seeking a person to organize and head a microchemical facility that will serve the Institute's needs for oligonucleotide synthesis, peptide synthesis, and protein sequencing. Documented experience is essential. Please submit curriculum vitae and references to: Dr. Arthur J. Lustig Department of Molecular Biology Sloan-Kettering Institute 1275 York Avenue New York, NY 10021

Deadline for submission of applications is 15 October 1987.

IMMUNOLOGIST DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY, BOWMAN GRAY SCHOOL OF MEDICINE WAKE FOREST UNIVERSITY

Applications are invited for a tenure-track position in immunology at the ASSOCIATE PROFESSOR level. Candidates should have a Ph.D. or M.D. degree and at least 2 years of postgraduate research training in immunology. The successful candidate is expected to develop a strong independent research program and participate in the teaching of graduate and medical students. The candidate currently has Commit Research Grant support in the molecular and biochemical aspects of pathogenesis, lymphokines, B cell development, leukocyte structure and function, and virology. The Department is well equipped for cellular, biochemical, and molecular research efforts. In addition, the Departmental faculty benefit from the presence of the core laboratories of the Howard Hughes Research Center in the Departments of Biology of Inflammation, and the newly developing Center for Molecular Genetics. Ample funds and space are available to support new faculty. Please send curriculum vitae and names of three references to: Dr. Steven B. Mizel, Department of Microbiology and Immunology, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, NC 27103. WCU is an Affirmative Action/Equal Opportunity Employer.

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SCIENCE, VOL. 237
**ANALYTICAL CYTOLOGY**

A postdoctoral position is available in analytical cytology at the National Flow Cytometry Resource. Candidate should have a multidisciplinary background in either genetics, basic oncogenesis, growth regulation, tumor immunology, or related fields plus experience in innovative data analysis techniques. Collaborative projects with outstanding investigators from around the world are extant and can be an integral part of the position. Applicants should have a strong desire to gain experience in cell/molecular biology, an interest in analytical techniques, and an appreciation of flow cytometry technology and its potential.

The NFRC is a national "user" facility jointly sponsored by the Division of Research Resources of NIH and the Department of Energy. Interested candidates should send a resume to Dr. L. Scott Cram, Director of the National Flow Cytometry Resource, LS-4, MS M886, Los Alamos National Laboratory, Los Alamos, New Mexico 87545.

TO FORMALLY APPLY, please send a curriculum vitae, employment application, three letters of reference, and graduate and undergraduate transcripts to: Carol M. Rich, Human Resources Development Division, POSTDOC-AA, Los Alamos National Laboratory, Los Alamos, New Mexico 87545.

Affirmative Action/Equal Opportunity Employer

**POST DOCTORAL POSITION**

Available immediately in a laboratory actively engaged in the development of new drugs and therapeutic strategies for the treatment of solid tumors. Applicants should be well versed in all aspects of mammalian tissue culture and have some experience in working with animals. Knowledge of flow cytometry, cell sorting and normal tissue toxicity assays is desirable. This position requires self-motivation and ability to work independently. Joint appointment will be held in an appropriate department of Harvard Medical School.

Send C.V. and names, addresses and phone numbers of 3 references to: Dr. Beverly A. Teicher.

**Virologists**

Several PhD level positions are available at our research laboratory in Glasgow, Delaware. The successful candidates will be members of a team of scientists that is pursuing viral diagnostic methods of clinical relevance. To qualify you should have at least 2 years of postdoctoral experience working with mammalian virus systems and a documented record of productivity. Experience with human retroviruses is highly desirable.

There are additional openings for Virologists with product development experience. Background in viral diagnostics, human retroviruses, transfer of products to manufacturing, and technical support is highly desirable.

At the world renowned Du Pont Company, you'll find a highly stimulating scientific environment, ample opportunity for professional growth and recognition. We offer highly competitive compensation commensurate with experience, plus liberal benefits including relocation. For immediate consideration, send curriculum vitae, a list of professional references, and a statement of research interests to: Dr. L. Mays, Employee Relations Department, Room X5000, Du Pont Company, Wilmington, Delaware 19898.

**Medical Research Council**

**AIDS Research in Uganda**

Senior Scientific Appointment

The Medical Research Council has been invited by the Ugandan Government to assist with the development of a research programme on AIDS in that country. The Council wishes to appoint a Senior Scientist to plan and initiate this research in consultation with the Ugandan Authorities, the WHO, and other relevant agencies.

The research programme is expected to be primarily epidemiological, focusing on questions such as heterosexual transmission, transmission from mother to offspring, and the evaluation of preventative measures. However, there should also be opportunities for clinical, virological, and behavioural research. It is expected that a multi-disciplinary team will be established to undertake these studies. A clinical qualification and experience in the tropics are highly desirable, but applicants with other relevant qualifications and experience can also be considered. The post is open to foreign nationals as well as to British subjects.

An initial appointment for up to 5 years will be offered. The person appointed will be based in Uganda but with an attachment to an appropriate University or Institute in the UK. The Council will arrange for the post holder to be able to spend a period of 1-2 years at the host institution after returning from Uganda. Attractive terms and conditions of service will be offered.

For further details of the post and application forms please contact Dr D R James, Medical Research Council, 20 Park Crescent, London W1N 4AL, to whom completed applications should be sent. The closing date for applications is 1 September 1987.
IMMUNOLOGIST—EXPERIMENTAL PATHOLOGIST

A tenure-track position exists at the assistant professor or associated rank for an immunologist interested in investigating immune defense mechanisms. The successful candidate will be provided the opportunity to develop his/her own independent research program and to interact with other researchers engaged in studying immunity to infectious agents, tumors, and allografts. Trudeau Institute is a free-standing, not-for-profit research institute located on the Shore of Saranac Lake, 10 miles from Lake Placid, NY. Send résumé and the names of three references to: Dr. Robert J. North, Director, Trudeau Institute, P.O. Box 59, Saranac Lake, NY 12983.

ST. GEORGE’S UNIVERSITY
SCHOOL OF MEDICINE

INSTRUCTOR DEMONSTRATOR in histology for St. George’s University School of Medicine, Grenada, West Indies, is required for the semester beginning January 1988. Recent doctoral graduate required. Experience in teaching histology to medical students preferred. Person appointed will take responsibility for practical instructions. Salary by arrangement. Further information available for those interested. Please forward curriculum vitae to: Dr. Nelly Golarz, Chairman of Histology c/o Mrs. R. A. Horton Foreign Medical Graduate Corporation One East Main Street Bay Shore, NY 11706

George’s University is a private institution drawing on students from New York, New Jersey, and the United Kingdom.

Yale University INVERTEBRATE PALEONTOLOGIST: The Department of Geology and Geophysics is soliciting applications for an assistant professor in invertebrate paleontology to begin in the academic year 1988 to 1989. A curriculum vitae, list of publications, and the names of three references should be sent by 1 October 1987 to: Karl K. Turekian, Chairman, Department of Geology and Geophysics, Yale University, Box 6666, New Haven, CT 06511.

Yale University is an Equal Opportunity/Affirmative Action Employer and encourages applications from all qualified scientists.

Harvard University. The Department of Psychology is searching for JUNIOR APPOINTEES (initially for a 5-year term), beginning 1 July 1988 in the areas of animal behavior, and developmental psychology. A special interest in psychological measurement and statistics would be desirable, though not essential. Applications should include a current curriculum vitae, and applicants should ask at least three individuals familiar with their work to write directly to: Brendan Maher, Chairman, Department of Psychology, Harvard University, 3 Kirkland Street, Cambridge, MA 02138. Applications received after 25 November 1987 may not be considered. Applications from women and members of minority groups are especially welcome.

LIPOPROTEIN CHEMIST

Applications are invited for appointment as Section Head of Lipoprotein Biochemistry in a newly-established Cardiovascular Research Center whose focus is on a multidisciplinary approach to mechanisms initiating and potentiation of cardiovascular disease. Position essentially involves establishment of a research group in the area of lipoprotein biochemistry and metabolism which will interface with other scientists of varied expertise. Applicants should be established in the field, with demonstrated ability to obtain major funding and actively collaborate with other disciplines. The Center will be housed in a new research building scheduled for completion in the summer of 1988. Start-up funds are available, and salary and fringe benefits are attractive. Please send a statement of research interests and complete curriculum vitae to Box 124, SCIENCE.

UNIVERSITY OF OTAGO
DUNEDIN, NEW ZEALAND
LECTURESHIP/NUTRITION

Applications are invited for the position of Lecturer in Human Nutrition in the Faculty of Home Science. Applicants should have a Ph.D. degree in nutrition or equivalent qualification and relevant experience. Teachings will be given in the key subject areas in the Faculties of Home Science and Science. The appointee is expected to develop a research program. Current research interests include fat metabolism, nutrition and welfare in the community and social nutrition; nutritional aspects of diabetes, coronary heart disease, and hyperlipidaemia. Research on the biochemical basis of dietary metabolic nutrition, or nutrition education would be an advantage but candidates with other interests are encouraged to apply. Appointment will commence as early as possible in 1988. Commencing salaries will be established within the appropriate scale: Lecturer $NZ23,000 to $NZ25,850 per annum. Senior Lecturer $NZ24,700 to $NZ25,700 per annum.

An exceptionally well-qualified applicant may be considered for appointment at the level of senior lecturer. Intending applicants are invited to write for further details, available from the undersigned, P.O. Box 56, Dunedin, New Zealand, quoting reference number A87/31 close in Dunedin on 30 September 1987. D. W. Girvan, Registrar.

MICROBIOLOGIST/IMMUNOLOGIST

A tenure-accruing faculty position at the rank of assistant professor is available in the Department of Biomedical Sciences, University of South Alabama for individuals with training in microbiology/immunology. Qualifications include Ph.D. in microbiology or immunology, a commitment to excellence in undergraduate teaching, and evidence of productivity in research. Post-doctoral training is preferred. Duties will include teaching microbiology and immunology in a cross-disciplinary undergraduate program in biomedical sciences and development of an active research program. Applicants should submit curriculum vitae, an outline of research plans, and the names and addresses of references. The application deadline is 30 September 1987, or until filled. Send applications to: Dr. Harold Jones, Chair, Department of Biomedical Sciences, University of South Alabama, 135 Life Sciences Building, Mobile, AL 36688. Equal Employment Opportunity/Affirmative Action Employer.

MOLECULAR BIOLOGIST

The Division of Atherosclerosis and Lipoprotein Research, Baylor College of Medicine and the Methodist Hospitals, Houston, Texas, is undertaking a major expansion of research activities in the molecular biology-based mechanistic aspects of bio-synthesis and catabolism of apolipoproteins, lipoproteins, cholesterol, and acyl lipids. Previous experience in basic molecular biology and biochemistry is essential, as is knowledge in a cross-disciplinary undergraduate program in biomedical sciences and development of an active research program. Applicants should submit curriculum vitae, an outline of research plans, and the names and addresses of references. The application deadline is 30 September 1987, or until filled. Send applications to: Dr. Louis C. Smith, Chairman, Molecular Biology Research Search Committee, The Methodist Hospital, Department of Medicine, Mail Station A-601, 6666 Fannin, Houston, TX 77030. The position is now open. Candidates will be evaluated until the position is filled.

MOLECULAR BIOLOGIST

Applications are invited for appointment as Section Head of Molecular Biology in a newly-established Cardiovascular Research Center whose focus is on a multidisciplinary approach to mechanisms initiating and potentiation of cardiovascular disease. Position essentially involves establishment of a research group in the area of lipoprotein biochemistry and metabolism which will interface with other scientists of varied expertise. Applicants should be established in the field, with demonstrated ability to obtain major funding and actively collaborate with other disciplines. The Center will be housed in a new research building scheduled for completion in the summer of 1988. Start-up funds are available, and salary and fringe benefits are attractive. Please send a statement of research interests and complete curriculum vitae to Box 123, SCIENCE.

MOLECULAR BIOLOGISTS

Baxter, MicroScan Division, develops and manufactures computer controlled and operated electronic instru-ments for the hospital laboratory. Research involves systems dealing with Rapid Identification and Susceptibility Testing. Our growth requires the addition of four individual knowledgeable in microbial technology. Qualified individuals will be familiar with one or more of a variety of techniques including probe preparation, cloning, nucleic acid sequencing, and molecular biology. Chemists with a background in organic synthesis, nucleic acid chemistry, and chemical modification of matrices will be considered.

Two of the positions require Ph.D.'s, and the other two positions require a Master's degree. The educational background will be in microbiology, molecular biology, or a related field.

Baxter is a leader in the Health Care Industry and we offer excellent salary and benefits to the individuals who qualify for our positions. If you feel that you have the skills we need, send your résumé stating current salary to: Vice President, Human Resources, 1584 Enterprise Boulevard, West Sacramento, CA 95691. Equal Opportunity Employer.

COLLEGE OF MAJORIETY ISLAND OF THE CITY UNIVERSITY OF NEW YORK
NEUROSCIENCE FACULTY POSITION SEARCH EXTENDED

The College of Staten Island invites applications for a full-time tenure-track position (beginning 1 September 1988) in the computer science department. Candidates must be qualified to teach both introductory and advanced courses in computer science programming and data structure. A Ph.D. in computer science is required. Opportunity to assume a leadership position within the Center for Developmental Neurosciences is a possibility. Rank: Commensurate with experience and record of scholarship. Salary range: $40,000 to $68,000. Send curriculum vitae and names of three references by 15 November 1987 to: Dr. Barry Bressler, Vice President for Academic Affairs, College of Staten Island, 340 Lefrak Center, 2000 Victory Blvd, Staten Island, NY 10301. Equal Opportunity/Affirmative Action Employer.

OCEAN MODELER/DYNAMICIST

Ph.D. scientist for research and ocean prediction work with group actively engaged in research in dynamics, modeling, and real-time forecasting to attack the problem of mesoscale variability in the North Pacific. A systematic approach involving dynamical model forecasts and data assimilation with remotely sensed and detailed satellite data sets and experience in oceanography, meteorology, fluid dynamics, or applied mathematics required. Applications from qualified female and minority group members are especially encouraged. Please apply with résumé and references and address inquiries to: Professor Allan R. Robinson Harvard University Division of Applied Sciences 29 Oxford Street Cambridge, MA 02138

PHARMACOLOGIST, GS-403-12. Naval Health Research Center in San Diego needs pharmacologist to plan and conduct behavioral pharmacological research studies of effects of pharmacological agents on behavior, performance, sleep, alertness, and autonomic function in human subjects. A doctorate degree or equivalent in pharmacology with specialization in effects of pharmacological agents on behavior is required. Computer literacy and research experience is essential. Telephone: J. Banks, 619-225-2911 for information.

POSTDOCTORAL ASSOCIATE position available immediately to study neuroanatomical circuitry and neuroendocrine regulation in the primate nervous system. Position requires a Ph.D. in behavioral and brain imaging using electron microscopy and interest in 3-D computer reconstruction and immunocytochemistry. Salary from $19,000 per year. Send curriculum vitae and three letters of reference to: Dr. Jane A. Westfall, Department of Anatomy and Physiology, Kansas State University, VMS, Manhattan, KS 66506 prior to 1 December 1987. Equal Opportunity/Affirmative Action Employer.
At the Institute of Biochemistry of the Deutsches Krebsforschungszentrum (DKFZ), a position has become available at the level of HEAD OF THE DIVISION OF "MOLECULAR TOXICLOGY"

The candidate will be appointed by the DKFZ jointly with the Faculty of Pharmacy of the University of Heidelberg in accordance with the requirements for a professorship (C3) in "Molecular Toxicology".

The candidate will be expected to carry out research in the field of carcinogenesis (mechanisms of initiation and promotion) with emphasis on molecular biological approaches.

In addition to academic experience the candidate should have extensive research experience proven by established record of publications. A record of molecular biological experience and animal experimentation is especially desirable.

Applications of candidates with several years of postdoctoral experience should be mailed including a c.v. and the list of publications, by September 15, 1987 to the Stiftungsvorstand des Deutschen Krebsforschungszentrums, Im Neuenheimer Feld 280, D-6900 Heidelberg 1, Federal Republic of Germany.

Im Neuenheimer Feld 280
6900 Heidelberg
Telefon 4841

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Pharmacologists

Anaequest is a recognized specialist in the development and manufacture of inhalation anesthetics. Our products provide a critical contribution to the acute care of patients. Our continued growth has led to 2 exceptional opportunities at our facility in Murray Hill, NJ.

You will be involved in designing and conducting pharmacological research studies. This includes the development of one or more anesthesia-related research areas. To qualify, you should have a B.S./M.S. in Pharmacology, Biochemistry or related field. Experience in a variety of neurochemical methodologies such as HPLC analysis of catecholamines and neurotransmitter release is a plus.

We offer competitive salaries and excellent benefits along with the opportunity to work alongside some of the industry's finest. If visibility, recognition and the opportunity to work for a leader are consistent with your career goals, send your resume to: Anaequest, Human Resources, Dept. BG, 100 Mountain Ave., Murray Hill, NJ 07974.

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Anaequest
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Professional Opportunities
Biotechnology

Current expansion and planned future growth at BIOTX, (Biosciences Corp. of Texas) an emerging leader in biotechnology, are creating challenging and rewarding career opportunities for talented research scientific personnel on an ongoing basis. We seek creative, motivated individuals with strong records of achievement in the following fields:

Ph.D Level- (Post Doctoral Experience Preferred)
- Cell, Molecular Biology
- Immunology & Biochemistry

M.S./B.S Level-
- Immunoassay Development
- Hybridoma/Tissue Culture Production
- Biochemistry

Qualified applicants are invited to submit C.V., resume, and the names of three references in confidence. BIOTX offers opportunity for growth and advancement, a highly competitive compensation package, benefits, and the unique satisfaction of working in an entrepreneurial environment with other motivated professionals. Equal Opportunity Employer. Submit background materials to:

BIOTX
(Biosciences Corp. of Texas)
Vice President R&D
4900 Fannin St.
Houston, Texas 77004

VIROLOGISTS

Southern Research Institute has immediate positions available for two Ph.D. virologists to participate in expanded research programs in antiviral drug development for government and industry. Positions require a Ph.D. in virology or other appropriate field with specialization in virology. Preference will be given to candidates with training or experience in retrovirology, especially with human immunodeficiency virus (HIV), or in work with exotic RNA viruses.

Research involves evaluation and development of new drugs for use in treatment of AIDS and other viral diseases. Some work will be conducted in a BL-3 containment facility.

Responsibilities include work on current and anticipated research contracts and grants, supervision of junior staff members, the writing of research proposals and reports, and collaboration with other scientists in the conception, development, and performance of virus-related research programs. Opportunity available to publish and present papers at scientific meetings.

Located in a 20-acre complex with a staff of over 700, Southern Research Institute is a diversified, not-for-profit research organization in its fifth decade of operation. The metropolitan Birmingham area, with a population of approximately one million, offers a mild four-season climate, lower-than-average cost of living, many recreational and cultural opportunities, and a variety of convenient and attractive housing alternatives. To apply, contact Denise Johnson, Personnel Administrator:

SOUTHERN RESEARCH INSTITUTE
Personnel Office, Dept. B-220
P.O. Box 53305
Birmingham, AL 35255-5305

DETONATION MECHANICS

The Naval Weapons Center, China Lake, California, the Navy's major research, development, test and evaluation activity, is seeking an experienced scientist to head the Detonation Mechanics Branch in the Ordnance Systems Department. This work group conducts both theoretical and experimental investigations into the nature of detonations, and provides predictive and test support to the weapons development community at the Naval Weapons Center.

Individuals with a Ph.D in Physics or Physical Chemistry and experience in measuring detonation parameters, knowledge of computer simulation techniques, experience in handling and characterizing explosives, and supervisory and management experience are encouraged to apply.

The Naval Weapons Center is located in California's Mojave Desert and offers the unique combination of challenging technical work in a small town environment.

To apply send a resume to:
Professional Recruitment Office
Code 09202, Ann 092-326-LJ-87
Naval Weapons Center
China Lake, California 93555

US Citizenship is Required/Equal Opportunity Employer

DIDECTOR
7-GeV Advanced Photon Source
Construction Project

Argonne National Laboratory plans to construct a 7-GeV Advanced Photon Source, a high-brilliance synchrotron x-ray facility strongly endorsed by national research advisory groups and favorably reviewed by the Department of Energy. Preconstruction R&D and the conceptual design are at an advanced stage, and construction funding is scheduled to begin in October 1988. Current plans indicate a total project cost of about $400 million with an expected completion date in 1994.

We seek an individual to direct construction of this major project. Responsibilities will include direct managerial leadership for the APS Project through its detailed engineering design phase, assembly of a project team responsible for the construction, and direction of the construction project. The successful candidate must have the capability to direct a large, complex technical construction project and to meet well-defined schedule and cost objectives, preferably demonstrated by past accomplishment. A background in technical design and construction is essential, but both accelerator design and construction management experience is preferred. This background will normally include an advanced degree in either physics or engineering. The importance of this project to advancing our national technological competitiveness and the magnitude of the undertaking make this a challenging and rewarding position that requires a highly capable and experienced person.

Candidates should submit a resume by October 1, 1987, detailing relevant experience, explicitly describing involvement with construction projects and including the names of at least three persons who can provide letters of recommendation, to:

Dr. Alan Schriesheim, Director
C/O R.A. Johns, Appointment Officer
Box D-8 PS-31218-55
Argonne National Laboratory
9700 S. Cass Avenue
Argonne, Illinois 60439
Equal opportunity employer

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Applications and nominations for an endowed Chair of Molecular Biology are being sought. The candidate should be an internationally recognized scholar with an established record of significant achievements in molecular biology. Expertise in viral, microbial, plant or animal molecular biology is appropriate. A Ph.D. in microbiology, genetics, biochemistry, molecular biology, immunology or related field is required.

The appointee will be expected to serve as catalyst in developing a center of excellence in molecular biology, to supervise and contribute to the education and training of graduate students and post-doctoral associates, and to interact with other research programs. Considerable funds are available to help equip and operate a laboratory. Three support faculty positions in molecular biology are to be filled following appointment of the chair. St. Jude Children's Research Hospital and the University of Tennessee Medical School are in close proximity to our campus.

Applications should include curriculum vitae, statement of research interests and the names of at least three references. Applications and inquiries may be directed to James F. Payne, Molecular Biology Search Committee, Biology Department, Memphis State University, Memphis, TN 38152. Applications will be accepted until a suitable candidate is found.

An Equal Opportunity/Affirmative Action University

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**BEHAVIORAL NEUROSCIENTIST**

The Laboratory of Clinical Studies, National Institute on Alcohol Abuse and Alcoholism invites applications for a Fellowship position to study the effects of ethanol and other drugs on human psychomotor performance and cognition. Unique opportunity to become an active member of a multidisciplinary research team which integrates pharmacological, psychological, electrophysiological, and neuroradiologic approaches to the study of behavior. State-of-the-art equipment and experienced technical support available. Familiarity with Fortran and Macro (Digital) is desirable. The position is that of a Fellow with a salary range of $17,000 to $47,788 per annum commensurate with qualifications and is located on the National Institutes of Health campus in Bethesda, MD. Applications are invited from individuals having a Ph.D. in a neuroscience-related field. Interested candidates should submit their Curriculum Vitae and names of three references to: Michael J. Eckardt, Ph.D., Chief, Section of Clinical Brain Research, LCS, NIAAA, Building 10, Rm. 3C-218, 9000 Rockville Pike, Bethesda, MD 20892. Position is available now and is expected to be filled by September 15, 1987.

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**You Can’t Do Better Than With Abbott Diagnostics’ Molecular Biology Group.**

Not when our renowned Molecular Biology Department is a driving force behind our world leading Diagnostics Division. Not when you can be joining a Division responsible for the first diagnostic tests for Hepatitis B, Rubella, German Measles and most recently AIDS, and which is at the scientific cutting edge of the fast-growing diagnostics field. And not when you’re part of the $4 billion Abbott Laboratories and our superior management and business strengths.

We seek both Ph.D’s with 2-8 years experience and Master’s or Bachelor’s degree candidates with 1 year experience in industry research, preferably with a background applicable to the following areas:

**MOLECULAR NEUROBIOLOGY**

Expertise in receptor purification, cDNA cloning and a knowledge of mammalian neurobiology also needed.

**PROTEIN PURIFICATION**

Expertise in micro scale purification technology with experience in instrumentation and computers a must.

**TISSUE CULTURE**

Experience in ELISA assays of products from tissue cultures.

**ONCOGENES**

Publication in this area is desirable.

**POST-DOCTORAL PROGRAM**

We also seek recent graduates with a strong record of achievement and a solid GPA.

**Or With Our Clinical Immunology Research Group.**

Candidates should have a Ph.D. in Immunology, Microbiology or Biochemistry and 2+ years post-doctoral experience in a clinical immunology research department. BS & MS positions are also available.

Abbott is headquartered in an attractive suburban area on the Lake Michigan shoreline just 30 miles north of Chicago. In addition to an outstanding scientific environment, Abbott provides excellent salaries, full benefits including profit sharing and stock retirement plan, and exceptional opportunities for professional growth under a management team voted as one of the five best by Dun's Magazine in 1986. For confidential consideration, please send a detailed resume with bibliography of publications and a minimum of three contacts to: Peggy Taylor/Corporate Placement, Dept SM/8-21. Abbott is an Affirmative Action Employer.

ABBOTT
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“Health Care Worldwide”
POSTDOCTORAL POSITION available immediately to study the effects of atracyclonine on the level of peripheral blood tachykinin NPY and the molecular events linked to multistage tumor promotion in mouse epidermis in vivo and in vitro. Strong background in biochemical carcinogenesis, as well as demonstrated ability to conduct independent research. Send résumé and three letters of reference to: Dr. J. P. Perchellet, Division of Biology, Center for Basic Cancer Research, Indiana University, Bloomington, Indiana 47405. U.S.A.

POSTDOCTORAL POSITION available in AUDITORY NEUROSCIENCE available in a laboratory devoted to an interdisciplinary approach to understanding the neuronal and molecular circuitry and genetics of the auditory brainstem. Previous anatomical and/or electrophysiological and/or intracellular recording and marking (HFR) studies. Previous anatomist is desirable. Please send curriculum vitae and two reference letters to: Dr. H. F. Voigt, Boston University, Department of Biomedical Engineering, 110 Cummings Street, Boston, MA 02215. Telephone: 617-853-2817.

POSTDOCTORAL POSITION available immediately in laboratory studying human molecular genetics. Special research focus is on the characterization of sex chromosomes. Control of gene expression via X chromosome inactivation, as well as X and Y homology, pairing, and recombination, are being studied along with the identification of several genes involved in these processes. Extensive experience is required with somatic cell genetics, molecular methods, and clinically derived chromosome rearrangements. A recent Ph.D. degree with experience in cloning and nucleic acid sequencing methods is required. Send curriculum vitae with the names of three references to: Larry J. Shapiro, M.D., Professor of Pediatrics and Biochemistry, Howard Hughes Medical Institute/UCLA School of Medicine, Division of Medical Genetics, 1000 West Carson Street, Torrance, CA 90509.

POSTDOCTORAL POSITION now available for a 3-year study of a transmembrane signaling system in intestinal mucosa, specifically, the receptor-mediated activation of the enzyme guanylyl cyclase by a bacterial peptide. The research involves radioligand binding studies, and the purification and characterization of membrane proteins. Send curriculum vitae and the names of three references to: Dr. Arnold A. White, Dalton Research Center, University of Missouri, Columbia, MO 65211.

POSTDOCTORAL POSITIONS are currently available for training in studies related to synaptic function in the mammalian central nervous system. Approaches include those in which single cells or populations of cells participating in the activity under study are engaged in research at the systemic, cellular, subcellular and molecular levels. The participating faculty members are engaged in diverse research programs including molecular biological, biochemical, immunological, electrophysiological, and structural, and utilize a wide variety of tissue preparations, ranging from tissue extracts, to tissue culture, to intact animals. Clinical research training is also available under the supervision of Dr. Roger Duvoisin, related especially to the basal ganglia and Parkinson's disease. The Robert Wood Johnson Medical School (formerly Rutgers) Medical School is located in New Brunswick and Piscataway, New Jersey, on the campus of Rutgers University, between New York and Philadelphia. Please send curriculum vitae and three letters of recommendation to: Dr. David Egger, Acting Chairman, Division of Anatomical, Medical and Dental Sciences, Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, New Jersey 08854. A New Equal Opportunity/Affirmative Action Employer, M/F/HV.
INDUSTRIAL POSITIONS
BIOANALYTICAL SYSTEMS, INC.
TECHNICAL CENTER

Bioanalytical Systems, a leader in the application of specialized chromatographic and electrochemical instrumentation to problems of biochemical analysis, is augmenting its technical staff in the following positions: Study Director, BAS Analytics Creative, technically-oriented individuals are needed for a new contract research venture within an established company. 3-5 years of demonstrated managerial and technical growth in a pharmaceutical or contract analytical environment is desired. A Ph.D. or M.S. degree in analytical biochemistry or chemistry, with experience in chromatography methods development at the trace level, is expected. Analytical Immunologist We are seeking applicants with a Ph.D. in biochemistry or immunology who have at least 1-3 years experience in antibody isolation, characterization, and assay development. Persons with B.S. or M.S. degrees and related experience are also invited to apply. Applications Specialist, Biotechnology A Ph.D. in analytical chemistry or biochemistry (or equivalent experience) is required. The successful candidate must be familiar at the bench level with modern analytical methods for proteins and nucleic acids. The scientist chosen will be responsible for the identification of new applications areas in biotechnology and suggest appropriate analytical schemes for new instrumentation.

Staff members will work in the well-equipped laboratories of our Technical Center, in a team-oriented R&D environment of scientific and engineering specialists. Our close proximity to Purdue University and its cultural and scientific resources is also attractive. Qualified applicants should forward a resume, with salary requirements, to:

Bioanalytical Systems, Inc.
Mrs. L. Nemes-Karno
2781 Kent Avenue
West Lafayette, IN 47906

ELECTRONICS TECHNICIAN/ENGINEER
(BS/MS Degree)

We seek an Electronics Technician/Engineer with a BS, plus 2 yrs. exp., or an MS in Electronics, preferably with exp. in the field of NMR (Nuclear Magnetic Resonance) or MRI (Magnetic Resonance Imaging). The position requires trouble-shooting and improving NMR spectrometers, including high resolution and in vivo NMR systems. The position will include interaction with the users of the new NIH, NMR Center and involvement in the design and development of probes and coils for spectroscopy and imaging. Exp. with rf electronics, computer hardware and software preferred. Salary range depends on qualifications and experience. Position location is Bldg. 10, National Institutes of Health, Bethesda, MD.

For further information contact: Dr. Jack S. Cohen, Clinical Pharmacology Branch, Division of Cancer Treatment, National Cancer Institute, National Institutes of Health, 9000 Rockville Pike, Bldg. 10, Rm. 6N105, Bethesda, MD 20892. Telephone: 301-496-3390. An Equal Opportunity Employer.

INTERNATIONAL LABORATORY FOR RESEARCH ON ANIMAL DISEASES
INTERNATIONAL LIVESTOCK CENTRE FOR AFRICA

1. VETERINARIAN (Ref. SC/87/3)
2. ANIMAL PRODUCTION SCIENTIST (Ref. INT/8/87)

The International Livestock Centre for Africa (ILCA), Addis Ababa, Ethiopia and the International Laboratory for Research on Animal Diseases (ILRAD), Nairobi, Kenya, are conducting collaborative research on the productivity of trypanotolerant livestock under different levels of trypanosomiasis trypanotolerance risk in various locations in West Africa. The two vacancies are in a research team of 5 professionals undertaking studies on the productivity, at village level, of N'Dama cattle in the Gambia and Senegal, based at the International Trypanotolerance Centre (ITC) in the Gambia.

Applicants for the veterinarian post should hold a veterinary degree and a higher degree in an area such as parasitology or pathology would be an advantage. Applicants will have a minimum of 2 years experience in large animal clinical medicine, preferably in the tropics. Preference will be given to candidates who have had previous experience in field studies in trypanosomiasis. Fluency in English and French is required.

Applicants for the animal production post must be animal science graduates with experience of cattle productivity research, including preferable experience in nutrition research in a tropical environment. Applicants should also have a post-graduate qualification or proven research ability in the handling, analysis interpretation and reporting of quantitative animal production data.

These are international staff positions and the salary will be paid in US dollars. The contract length will be two years, subject to extension of the project for a 3 year period from May 1988. Initial salary will be determined by qualifications and experience. Moving and education allowance are paid, a house at the duty station in Bansang or elsewhere as required is provided, and there are medical and retirement benefits. Application should include a current curriculum vitae and the names and addresses of three referees. Applications citing the reference number should be sent by September 4, 1987 to:

c/o Chief Personnel Officer
ILRAD
P.O. Box 30709
NAIROBI,
Kenya

The London Regional Cancer Centre

CHIEF PHYSICIST FOR A REGIONAL CANCER CENTRE

The London Regional Cancer Centre of the Ontario Cancer Treatment and Research Foundation invites applications for the position of Chief Physicist. This Centre is associated with Victoria Hospital and the University of Western Ontario in London, Ontario. This comprehensive Cancer Centre sees 3,500 new patients per year within a multidisciplinary clinical framework. In addition, it conducts its own research programs in basic, interface and clinical cancer research. A new comprehensive Cancer Centre with state-of-the-art radiotherapy and research facilities is currently under construction, scheduled to open in April 1988.

The successful candidate’s predominant responsibility will be to provide leadership for the research programs of the Physics Department in the Centre. The present Head of Clinical Physics is responsible for the service component of the Department and will report directly to the Chief Physicist. Although the current staff complement consists of three physicists and a dosimetrist, in addition to the Chief Physicist position, it is hoped to expand this complement by another two physicists and dosimetrist in the near future. The expanded Department will have a strong Academic bias and new requirements will reflect this object.

A Ph.D. is a pre-requisite for this appointment and it is anticipated that the candidate would be of sufficient stature to be eligible for a senior academic appointment in the Departments of Radiation Oncology and Medical Biophysics (Faculty of Medicine) or the Department of Physics, University of Western Ontario.

Salary is open to negotiation, will be based upon the candidate’s previous training and experience and will be in accordance with the salary scales of the Ontario Cancer Treatment and Research Foundation. Applications with curriculum vitae and the names of three current referees should be forwarded to:

Dr. Leslie Levin, Director, London Regional Cancer Centre, 381 South Street, London, Ontario, N6A 4G5
(519) 679-9890

The Ontario Cancer Foundation is an equal opportunity employer but is directed by Canadian Immigration authorities to state that “preference will be given to Canadian citizens and permanent residents of Canada”.

Deadline for applications is September 30th, 1987.
RESEARCH INSTITUTE POSITIONS
THE HOSPITAL FOR SICK CHILDREN
TORONTO

The Division of Cell Biology is seeking two staff members with research interests in Membrane Biology. Applicants should have post-doctoral experience in one or more of the following areas:

a) cell surface receptors;

b) signal transduction mechanisms/growth factors/hormones

c) ion or non-electrolyte transport or

d) membrane biosynthesis and dynamics

The successful candidates will be expected to conduct a vigorous, independent research program and to contribute to the teaching at the University of Toronto.

Appointments will be at a rank equivalent to Assistant or Associate Professor. Send Curriculum Vitae, a brief description of research interests and the names of three referees before October 1, 1987 to: Dr. Sergio Grinstein, Research Institute.

THE HOSPITAL FOR SICK CHILDREN

SENIOR TOXICOLOGIST
Ophthalmic Devices

Alcon Laboratories, Inc., is a $400 million multinational pharmaceutical company and a recognized industry leader in ophthalmic research. Due to continued growth, we are seeking an achievement-oriented Senior Toxicologist with the ability to make significant contributions within our Research & Development Division.

The successful candidate will:

• Design, supervise and analyze preclinical safety studies for surgical ophthalmic devices and ophthalmic drugs

• Prepare technical reports and toxicology segments of government submissions

• Perform basic research for development of improved techniques for assessing drug/biomedical device safety

Qualifications include:

• Ph.D. in Toxicology or DVM with related experience

• 0-3 years experience in conducting preclinical safety evaluations

• Highly developed written and verbal communication skills

We offer an excellent opportunity for professional growth and recognition within a stimulating research environment. In addition, we offer a competitive salary, a comprehensive benefits package and a desirable Ft. Worth location with recreational, cultural and economic advantages indigenous to the Sunbelt. For immediate consideration, please send resume, in strict confidence, to: Tom D. Javer, Employee Relations - Employment Manager, Alcon Laboratories, Inc., P.O. Box 6600, Ft. Worth, TX 76115.

Alcon Laboratories, Inc., is an Equal Opportunity Employer.

RESEARCH SCIENTISTS
RESEARCH ASSOCIATES

DEPARTMENT OF MOLECULAR CELL BIOLOGY

Amgen, a leading biotechnology research and product development corporation, has opportunities for research scientists and research associates to make significant contributions in the area of eukaryotic gene expression.

The research scientist positions require a Ph.D. in molecular biology or related field and experience, preferably postdoctoral, in eukaryotic molecular genetics and cell culture methodology. Additional experience in cell biology and virology is desirable.

The research associate positions require a B.A. in biology, biochemistry or related field and two years of experience in cell culture and/or recombinant DNA methodology or a M.A. and one year experience.

Amgen offers an attractive compensation and benefits package, including equity participation, and is located in an attractive community northwest of Los Angeles.

Qualified candidates are encouraged to submit a resume, including references to:

Recruitment, Dept. 100
AMGEN
1900 Oak Terrace Lane
Thousand Oaks
CA 91320

Equal Opportunity Employer

IMMUNOLOGISTS/IMMUNOCHEMISTS/
TUMOR AND CELL BIOLOGISTS

CENTER 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, immunobiology, 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 (UMDNSJ) 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
THE UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL & TUMOR INSTITUTE DEPARTMENT OF TUMOR BIOLOGY

POSTDOCTORAL FELLOWSHIPS

The University of Texas M. D. Anderson Hospital & Tumor Institute is one of the largest Comprehensive Cancer Centers in the world. Located in the Texas Medical Center with two medical and graduate schools and a number of hospitals and institutes, the UT Cancer Center offers tremendous opportunities to qualified postdoctoral candidates in the laboratories of one of the following faculty members:

Dr. James C. Chan: Monoclonal antibody studies of retroviral activation of cellular oncogene products.

Dr. Elizabeth A. Grimm: Molecular mechanisms of cytotoxic lymphocyte activation, especially lymphokine-activated killer cells and tumor cell surface components recognized by the immune system.

Dr. Jim Klostergaard: Molecular mechanisms of monocyte/macrophage tumor cell cytotoxicity.

Dr. Edwin C. Murphy, Jr.: Mechanisms of pre-mRNA processing and the molecular basis of metal carcinogenesis using retroviral models.

Dr. Garth L. Nicoson: Mechanisms of tumor malignancy, role of cell surface receptors, growth factors and oncogenes in metastasis.

Dr. Michael A. Tainsky: Human cell culture systems for the identification of new oncogenes and the study of their role in multistage carcinogenesis.

Dr. W. K. Alfred Yung: Growth factors and oncogene expression in growth regulation and tumor progression of human gliomas.

Candidates should be recent Ph.D. graduates in biochemistry, molecular biology, virology or immunology. Send a letter describing research interests and experience, a recent curriculum vitae and three references to the faculty above in the Dept. of Tumor Biology (106), The University of Texas M. D. Anderson Hospital & Tumor Institute, 1515 Holcombe Blvd., Houston, Texas 77030.

The University of Texas is an Equal Opportunity/Affirmative Action Employer offering competitive salaries.

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 GM-13, 14 or 15 grade level ($36,727—$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 synaptic plasticity; neuropharmacological and neuroanatomical characterization of defined neural pathways; parallel processing and architectural analysis; and neural-behavioral relationships.

Applicants 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.

NATIONAL INSTITUTE OF DIABETES & DIGESTIVE & KIDNEY DISEASES NATIONAL INSTITUTES OF HEALTH PUBLIC HEALTH SERVICE

Applications are invited for the following vacancies:


Postdoctoral position in molecular biology to study negative and positive trans-acting gene regulation mediated at transcription and translation levels by human virus gene products and their interaction with viral and cellular control elements. Candidate should have experience in molecular biology or protein chemistry. Barrie J. Carter, Building 8, Room 301 (telephone 301-496-0604).

Postdoctoral position in mammalian developmental biology, research focuses on mechanisms that control gene expression during oogenesis and early development in the mouse and involves a wide range of molecular experimental approaches. Ideally, candidates will be trained in current DNA/RNA methodologies and have an interest in early mouse development. Jurriën Dean, Laboratory of Cellular and Developmental Biology, Building 6, Room B1-08 (telephone 301-496-2738).


Postdoctoral position in cell biology, to study development and hormonal effects in bone cells. Applicants must have experience in cell culture and molecular biology. S. J. Marx, Building 10, Room 9C-101 (telephone 301-496-5052).

Postdoctoral positions in Cell Biology/Physiology, to do light and electron microscope studies on chromaffin cells. Enhanced video and immunofluorescence techniques are being used to follow membrane turnover during exocytosis and endocytosis (Neurochem. Int., 9, 391, 1986). Charles Edwards, Building 8, Room 403 (telephone 301-496-4208).

Postdoctoral position in immunochemistry, to investigate cell receptors for antibodies responsible for cytopenias induced by allo- and auto-immunization and drug sensitization. Applicants should have experience in protein and peptide chemistry, immune assays generally and general biochemistry. N. Raphael Shulman, Building 10, Room 8C101 (telephone 301-496-4787).

Qualified applicants should send a curriculum vitae, bibliography, short statement of research interests, and the names of three references to the appropriate person at the NIDDK, NIH, 9000 Rockville Pike, Bethesda, MD 20892. Appointments can be offered to both U.S. citizens and other qualified applicants.

The NIH is located in Maryland close to Washington, D.C. It has nearly 3000 scientists carrying out research in 12 institutes. The intramural program of the NIDDK has over 500 doctoral level scientists working on a broad range of basic and applied biomedical problems in 21 different groups.

AN EQUAL OPPORTUNITY EMPLOYER.
POSTDOCTORAL POSITION—Applications are invited to join a multidisciplinary group investigating the growth and transplantation of central and peripheral injured skin. The group uses molecular biological and immunological methods to study stem cells and regenerative medicine. Investigators are encouraged to suggest new methods for the study of cellular and molecular mechanisms of tissue repair and regeneration. The group includes molecular biology and Ph.D. or M.D. degree required. Send curriculum vitae to: Dr. John M. Hefton, Department of Surgery, Cornell University Medical College, 1300 York Ave, New York, NY 10021.

POSTDOCTORAL POSITION available in neurobiology to study regeneration of peripheral and central nervous systems. Experience in use of animal models, cell biology, and immunohistochemistry desirable. Send curriculum vitae and three letters of recommendation to: R. E. Maguire, Department of Anatomical Pathology, Case Western Reserve University, Cleveland, OH 44106. 

POSTDOCTORAL POSITION available immediately for molecular biologists/geneticians to study mRNAs of cation transport in prokaryotes. Involves study of Mg"^2+ regulation of gene expression, structural analysis of Mg"^2+ transport genes, and reconstitution of Mg"^2+ transport proteins in S. typhimurium. Send résumé with three references to: Dr. J. E. Maguire, Department of Pharmacology, Case Western Reserve University, Cleveland, OH 44106. Equal Opportunity/Affirmative Action Employer.


POSTDOCTORAL POSITIONS available immediately for biochemical and molecular studies on rotavirus and poliovirus. Previous experience in molecular virology is desirable. Starting salary of $22,000. The Gamble Institute is a non-profit, independent research institute affiliated with the Christ Hospital whose goal is to combine excellence in basic research with clinical applications. Interested candidates should send curriculum vitae, letter of interest, and names of three references to: Richard L. Ward, Ph.D., James N. Gamble Institute of Medical Research, 2141 Auburn Avenue, Cincinnati, OH 45219. Telephone: 513-369-2882. An Equal Opportunity/Affirmative Action Employer.

TWO POSTDOCTORAL POSITIONS are immediately available for studies on membrane and secretory protein synthesis in polarized epithelial cells. Emphasis is placed on defining the molecular mechanisms that regulate intracellular transport and post-translational processing of proteins, including the regulation of protein transport by plasma membrane and intracellular organelles. Experience in cell biology and experimental molecular biology is desirable. Send curriculum vitae and three letters of recommendation to: Dr. James D. Janisiewicz, Yale University School of Medicine, Department of Cell Biology, 333 Cedar Street, P.O. Box 3333, New Haven, CT 06510. Yale University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE—Position available for an electrophysiologist to characterize expression and activity of brain-derived neurotrophic factor along peripheral nerve implants. Preference given to applicants experienced in spinal cord physiology and/or motor neuron disease. Please send curriculum vitae with names of three references to: Dr. Julia K. Terzis, Microsurgical Research Center, Eastern Virginia Medical School, 700 Olney Road, Norfolk, VA 23507.

Wonderful opportunity for POSTDOCTORAL TRAINING in signaling mechanisms for peptide growth factors in developing neural tissue. Study how combined activity of the activity of a set of Ser/Thr kinases which are protected by inhibitors of phosphoprotein phosphatases (PNAS) to the NIE-115 Institute of Pharmacology, Box 419, University of Virginia Medical Center, Charlottesville, VA 22908.

POSTDOCTORAL TRAINING in REGULATION OF VASCULAR SMOOTH MUSCLE. A training-grant position (with institutional supplementation) is open to study the control of ion transport and receptor coupling by second messengers (phosphoinositides, cyclic nucleotides, and calcium), and their role in hypertension. This position will be complementary for individuals with research backgrounds in biology, biochemistry, physiology, or pharmacology, and will provide training in a fast growing and well funded area of research. Send curriculum vitae to: Dr. Allan J. Kochanek, Department of Physiology, MA415 Medical Sciences Building, University of Missouri, Columbia, MO 65212. The University of Missouri is an Equal Opportunity Employer with special initiatives to recruit women and minorities.

PROTEIN STRUCTURE AND FUNCTION

POSTDOCTORAL POSITION available immediately in biochemistry/molecular biology to study the catalytic and regulatory mechanisms of the allosteric enzyme aspirate carbamylation. This project involves the creation and analysis of mutant versions of this enzyme by in vitro methods. Candidates should have a Ph.D. in biochemistry or molecular biology and have experience in any of the following areas: site-directed mutagenesis, enzyme purification, kinetics, allosteric enzymes. Send résumé, the names of three references to: Dr. Evan R. Kantrowitz, Department of Chemistry, Boston College, Chestnut Hill, MA 02167. An Equal Opportunity/Affirmative Action Employer.

PROTEIN STRUCTURE FACILITY

The LSU Medical Center is seeking a STAFF MEMBER for its Protein Structure Facility. The facility is principally responsible for providing amino acid sequence analyses and chemically synthesized peptides for the local research community. State-of-the-art instrumentation is in place for protein/peptide microsequencing, peptide synthesis, high-performance liquid chromatography (HPLC) and amino acid analysis. Opportunities for collaborative research are available. Applicants should hold a baccalaureate or higher degree in an appropriate science and be experienced in quantitative analysis, protein chemistry, or modern chemical separations procedures. Practical knowledge of electronic and computerized analysis is desired. On-site training will be provided. The salary is $20,000 - $25,000. Salary will be commensurate with experience. Send résumé or curriculum vitae with the names of three references to: Dr. Richard L. Hurst, Department of Biochemistry and Molecular Biology, LSU Medical Center, 1901 Perdido Street, New Orleans, LA 70112. Equal Employment Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE, position available immediately to study the mechanism of nutritional effects of ornithine, putrescine, and related compounds. Experience in cell biology, biochemistry, and molecular biology. Send résumé and references to: Dr. S. Q. Alman, LSU Medical Center, Biochemistry Department, P.O. Box 7119, Baton Rouge, LA 70874. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE—Position available for an electronophysiologist to characterize expression and activity of brain-derived neurotrophic factor along peripheral nerve implants. Preference given to applicants experienced in spinal cord physiology and/or motor neuron disease. Please send curriculum vitae with names of three references to: Dr. Julia K. Terzis, Microsurgical Research Center, Eastern Virginia Medical School, 700 Olney Road, Norfolk, VA 23507.

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RESEARCH ASSOCIATE, position available immediately to study the mechanism of nutritional effects of ornithine, putrescine, and related compounds. Experience in cell biology, biochemistry, and molecular biology. Send résumé and references to: Dr. S. Q. Alman, LSU Medical Center, Biochemistry Department, P.O. Box 7119, Baton Rouge, LA 70874. Equal Employment Opportunity/Affirmative Action Employer.
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, D.C. 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 Ross/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

ASSOCIATE EDITOR
SCIENCE MAGAZINE

Editorial position available for a Ph.D. earth scientist with two or three years research experience and publications in the refereed literature. The successful candidate should be well-versed in both quantitative and qualitative aspects of geophysics, geochemistry, and atmospheric and oceanographic sciences. General interest in physical sciences is expected. Initial duties will include editing manuscripts for clarity and style, with progress to wide responsibilities in manuscript selection. Previous editorial experience not required. This is a full-time position in our Washington, D.C. editorial office.

Please submit résumé with cover letter, including salary requirements, to:

Carolyn Bell
SCIENCE Magazine
1333 H Street, NW
Washington, D.C. 20005

We are an Equal Opportunity Employer.

Merck Sharp & Dohme Research Laboratories is currently offering several excellent career opportunities for Molecular Biologists/Cell Biologists to join the expanding Department of Cellular and Molecular Biology. Research in this department is applied to the analysis and expression of genes of potential pharmaceutical interest.

MOLECULAR BIOLOGISTS
Responsibilities for these positions will include the utilization of a broad spectrum of techniques, including construction of CDNA and genomic DNA libraries, DNA/RNA preparation, blot analyses, DNA sequencing, plasmid vector construction, and transfection and culturing of microbial and mammalian cells.
An M.S. or B.S. degree in Biochemistry, Molecular Biology, or the equivalent with at least 2 years of broad and significant experience in molecular biology is required.

Excellent salary and benefits programs accompany these positions at our modern research buildings in West Point, Pennsylvania and Rahway, New Jersey.

If interested in RAHWAY, NJ (Molecular Biologist and Cell Biologist positions) respond to the address below:

Mr. Jacques P. Kueny
Merck Sharp & Dohme Research Laboratories
Research Personnel (R80M-111)
P.O. Box 2000, Rahway, N.J. 07065

If interested in WEST POINT, PA (Molecular Biologist position only) respond to the address below:

Mr. Jacques P. Kueny
Merck Sharp & Dohme Research Laboratories
Research Personnel (W42-2)
West Point, PA 19486

We are an Equal Opportunity Employer.
VIROLOGIST/ MICROBIOLOGIST

We have a newly created position for a Ph.D. senior scientist to develop, characterize and use animal models of infectious disease for new drug therapy evaluation. Emphasis will be on models for herpes, influenza, and related viruses, as well as selected mycobacterial infections such as Candida. Successful candidates will interact with scientists in antiviral, antifungal and immunomodulatory drug discovery programs. Applicants should have a Ph.D. in virology, microbiology or related discipline and have 3-5 years experience in the use of small animal disease models for the evaluation of antiviral drugs. Knowledge of preclinical therapeutic drug development useful.

SeaPharm Inc., is an international biotechnology firm devoted to the development of novel therapeutics from marine organisms. Its U.S. locations are in Princeton, New Jersey and Fort Pierce, Florida with foreign research activities in Australia, New Zealand, Japan and Israel. SeaPharm offers competitive salaries, benefits and a relocation program.

Send letter of application and complete resume to K. Fillion, SeaPharm Inc., 791 Alexander Road, Princeton, NJ 08540.

M/F EOE

BRL
Technical Services

Join Bethesda Research Laboratories' growing Technical Services Group. This group provides technical support for BRL products through the Tech-Line™ workshops, seminars, Focus, and the applications laboratory. Innovative scientists with good communication skills and experience in molecular biology techniques are sought for the following positions:

Staff Scientist (Ph.D)
- Teach DNA - sequencing and recombinant DNA workshops
- Develop new applications in the laboratory
- Present techniques seminars
- Handle technical questions

Technical Specialist (B.S./M.S.)
- Handle technical questions
- Develop new applications in the laboratory
- Assist at workshops

These positions offer competitive salary and benefits. Travel is required. Send your resume in confidence to:
Mr. Richard L. Hotaling, Jr., Personnel Manager
GIBCO/BRL Division, Life Technologies, Inc.
8717 Grovemont Circle, Gaithersburg, MD 20877
Attn: Dept. NS 8/21 An equal opportunity employer. M/F/H/V

NATIONAL CANCER INSTITUTE
National Institutes of Health, Public Health Service

CANCER PREVENTION FELLOWSHIP PROGRAM, CPFP

The Division of Cancer Prevention and Control is accepting applications for CPFP. The primary purpose of this program is to attract individuals from a multiplicity of health science disciplines into the field of cancer prevention and control research. The program provides for participation in the Cancer Control Academic Program (a one-year program) or in the Cancer Prevention and Control Project (for those already in the field).

APPLICANTS MUST (BY THE DEADLINE): (1) Possess an M.D. or D.O. degree from an accredited medical school in the U.S., Puerto Rico, or Canada. Foreign medical graduates—American citizens or foreign citizens who have received their medical degree from a medical school outside the U.S., Puerto Rico and Canada and that is listed in the World Health Organization's World Directory of Medical Schools—must be certified by the Educational Commission for Foreign Medical Graduates (ECFMG). Current certification, ECFMG or Foreign Medical Graduate Examination in the Medical Sciences (FMGES) is required for all foreign medical graduates. (2) Must have satisfactorily completed an internship (PG1) approved by the Council on Medical Education. (3) Must be an applicant when internship is an integral part of medical school curriculum or incorporated as part of residency training. (4) Must Possess other accredited U.S., Puerto Rican, or Canadian doctorate degree (Ph.D., Dr. P.H., D.D.S., etc.) in a discipline related to cancer prevention and control research, biomedical, medical, nutritional, public health, or behavioral sciences. (5) Foreign doctoral graduates must provide documented evidence that the foreign education is comparable to doctoral education received in accredited institutions noted above.

For questions concerning the program's scientific or administrative aspects, please call Dr. David Poskanzer or Ms. Nancy Garner, respectively. Application packets may be obtained by sending a POSTCARD with your name and address to CPFP Coordinator, NCI/DCPC/CCAB, Building Room 4805, 9000 Rockville Pike, Bethesda, MD 20892-4200, or call (301) 427-8788. Please do not send any material until after you have read the instructions in the application packet.

DEADLINE FOR RECEIPT OF APPLICATIONS, JANUARY 15, 1988
(The NIH is an Equal Opportunity Employer)

RESEARCH SCIENTIST IMMUNOLOGY

Ayerst Laboratories Research, Inc., a subsidiary of Fortune 100 American Home Products Corporation has a challenging opportunity for a Research Scientist at our state-of-the-art facility to support our growing research efforts.

An immunologist/immunopharmacologist, Ph.D. is sought for our immunoregulation program to join an active autoimmunity program. The successful candidate will have experience in the modulation of the autoimmune response. Knowledge of both in-vitro and in-vivo cell-cell interaction and flow cytometry would be an advantage.

Ayerst offers an excellent salary and benefits package together with opportunities for career advancement. Interested candidates should send a resume indicating their current salary to:

Personnel Manager, Dept. PW

AYERST LABORATORIES RESEARCH, INC.

CN 8000
Princeton, Nj 08543-8000
Equal Opportunity Employer M/F

BRL Technical Services

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GIBCO/BRL Division, Life Technologies, Inc.
8717 Grovemont Circle, Gaithersburg, MD 20877
Attn: Dept. NS 8/21 An equal opportunity employer. M/F/H/V

NATIONAL CANCER INSTITUTE
National Institutes of Health, Public Health Service

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Ayerst offers an excellent salary and benefits package together with opportunities for career advancement. Interested candidates should send a resume indicating their current salary to:

Personnel Manager, Dept. PW

AYERST LABORATORIES RESEARCH, INC.

CN 8000
Princeton, Nj 08543-8000
Equal Opportunity Employer M/F
Biochemical Pharmacologist

At the new Rorer...we're focusing on the future! Rorer Central Research is emerging as a vibrant "can do" organization committed to becoming a world class pharmaceutical industry leader. An immediate opportunity to make a significant contribution to our rapid growth exists in our General Pharmacology Group located in suburban Philadelphia, PA.

The successful candidate will have a PhD in Pharmacology, Biochemistry or related field and at least 2 years post-doctoral experience. A strong interest in the various aspects of drug discovery research will be required for this position which reports directly to our Director of Biology.

The time to enhance your career is now. Qualified individuals are invited to submit a resume, in confidence, to Barbara F. Lippmann, Rorer Central Research, 640 Allendale Rd, King Of Prussia, PA 19406. An equal opportunity employer, M/F.

Rorer Central Research
Focusing on the future.

POST DOCTORAL RESEARCH ASSOCIATE

40 hours per week
$20,140 per year

Job focuses on the purification and functional characterization of human B Cell growth factor (BCGF) and its putative receptor, via (1) the establishment of BCGF-dependent or responding B cell line, (2) the development of monoclonal antibodies to BCGF and its receptor, and (3) the uses of a series of affinity chromatographic column, electrophoresis, and HPLC. Extensive experience in tissue culture and hybridoma techniques. Basic knowledge in biochemistry is also required. Ph.D., major in the field of immunology.

Contact:

Job Order #656169
La. Office of Employment Security
6701 Airline Hwy
Metairie, LA 70127
Equal Opportunity Employer

Manager, Computer Science Branch

GE Corporate R&D

The GE challenges
To lead the Computer Science Branch in exploring advanced computer technology that will significantly improve software productivity at GE—world leader in aerospace, aircraft engines, financial services, medical electronics, and diversified core businesses.

...require an innovative leader
A professional with the demonstrated intellectual capability to successfully spearhead research into the next generation of integrated tools and software development.

Requires PhD in Computer Science/Engineering or Engineering, and contemporary perspective of Computer Science, who will use demonstrated program management skills to recruit and command the respect of technical staff.

...for a professional environment
GE R&D Center is one of the world's leading laboratories in research and product innovation. We are known for encouraging and developing technical and senior management talents. Another plus...it typically requires only 10–15 minutes commuting home to lab.

...offering location and career advantages
Upstate Adirondack resort area with excellent cultural, recreational, educational and cost-of-living advantages. Easy access to Boston, Montreal, and New York City. Fully competitive salary with liberal relocation and comprehensive benefits.

Write to
Send resume to Mr. Neff T. Dietrich, University Relations and Recruiting, Ref. 18116S, GE R&D Center, P.O. Box 8, Schenectady, NY 12301.

An equal opportunity employer
RESEARCH ASSOCIATE, M.S. OR Ph.D., 2- to 3-year position available immediately to study effect of dietary factors on development of hypertension in a variety of rat models. Interest in endocrinology, steroid hormones, and HPLC desirable. Send curriculum vitae to: Dr. David J. Morris, Department of Laboratory Medicine, The Miriam Hospital, 164 Summit Avenue, Providence, RI 02906. An Equal Opportunity Employer, M/F.

RESEARCH ASSOCIATE
AMERICAN RED CROSS

The American Red Cross seeks an individual to conduct developmental studies in blood cell preservation and platelet immunology. Doctorate or equivalent in biochemistry, physiology, or related disciplines, and relevant research and development experience with blood cells required. Located in Rockville, Maryland near Shady Grove Metro. Salary $28,500 and up commensurate with experience and education. Excellent benefits and free parking. Send resume and references to:

Thomas P. Higgins
Position G105
National Headquaters
American Red Cross
Washington, DC 20006
An Equal Opportunity Employer M/F/V/H/

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW (DNA CHEMISTRY/MOLECULAR BIOLOGY). Position available immediately at $24,000 per year, renewable yearly, for Ph.D. to develop and evaluate non-radioactive (DNA enzyme conjugate) methods to detect solid- or solution-phase DNA-DNA hybridization reactions for direct clinical diagnosis of bacterial infections. Background in DNA chemistry and the coupling of DNA to proteins and/or to solid-phase supports desirable. Submit curriculum vitae and three references to: Dr. Michael Norgard, Department of Microbiology, University of Texas Health Science Center at Dallas (UTHSICD), 5323 Harry Hines Boulevard, Dallas, TX 75235. UTHSCD is an Affirmative Action/Equal Opportunity University.

RESEARCH ASSOCIATE: Position available to conduct research in membrane cytoskeleton interactions in lymphocytes, platelets and endothelium. Requirements: Ph.D. and 2 to 3 years of experience in membrane biochemistry and enzymology. Salary $21,000 per annum. Submit CV and three references to: J.B. #4539760, Jobs Service of Florida, 701 S.W. 27th Avenue, Room 15, Miami, FL 33136, not later than 4 September 1987.

RESEARCH ASSOCIATES, BIOSCIENCES

The College of Biological Sciences, University of Minnesota, has a limited number of non-faculty openings for scientists who have completed the Ph.D. and some postdoctoral training and who wish to continue independent research careers. While such research associates may work in collaboration with faculty, they will be expected to obtain independent funding, including stipend, prior to appointment. Appointments must be renewed annually but may be continued indefinitely, depending on funding, facilities, and evaluation of contribution.

Participating units are the Departments of Biochemistry, Botany, Ecology and Behavioral Biology, Genetics and Cell Biology, Microbiology, the Bell Museum of Natural History, the Gray Freshwater Biological Institute, the Biological Process Technology Institute and the Plant Molecular Genetics Institute. Availability of positions in each unit will depend on space, facilities, research interests, and success in obtaining external funding.

Apply to: The Research Associate Program, College of Biological Sciences, University of Minnesota, 140 Gortner Lab, 1479 Gortner Avenue, St. Paul, MN 55108. Provide curriculum vitae and list of publications, a 1 to 2 page statement of research plans, a list of facilities and equipment required, and three letters of recommendation. Indicate the unit or faculty member with which affiliation is desired.

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

National Institutes of Health
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Division of Kidney, Urologic, and Hematologic Diseases

Academic Physician or Ph.D. — BC/BE with interest in developing the basic scientific aspects of the renal, lower urinary tract, and hematopoietic systems. Full-time position. Time available to pursue research interests. Salary is negotiable, commensurate with qualifications and experience. How to apply: Submit an Application for Federal Employment (SF-171), curriculum vitae, bibliography, and names of three references to:

Mr. Clifford Moss
Personnel Officer, NIDDK
Building 31, Room 9A34
9000 Rockville Pike
Bethesda, MD 20892
Telephone (301) 496-4231

NIH is an equal opportunity employer; women and minorities are encouraged to apply. U.S. citizenship required.

Research Scientist
Fermentation Group

Praxis Biologics, a research-driven, results-oriented company recognized as a pioneer in the development of pediatric vaccines, is currently seeking a dedicated professional to join our Fermentation Group.

This position requires a PhD in microbiology, a strong background in bacterial physiology, biochemistry and instrumentation along with a minimum of 3 years post-doctoral experience in fermentation research and development.

In this position you will conceive, organize and conduct vaccine product research and developmental programs using small scale fermentors and shaker flasks.

We offer a competitive salary and a comprehensive benefits package. Please send resume including salary history to: Praxis Biologics, Human Resources Department, 300 East River Road, Rochester, NY 14623.

PRAXIS
BIOLOGICS
An equal opportunity employer, m/f.
Research and product development scientists wanted to help bring a series of proprietary immunotoxin conjugates to market.

**Immunotoxin Cancer Therapy**

ImmuNoGen, Inc. is dedicated to commercializing its immunotoxin conjugate cancer therapy technologies developed in conjunction with the Dana-Farber Cancer Institute in Boston, MA.

Increased scientific staff is now required as ImmuNoGen enters clinical trials on its first round of commercial products. The Company is seeking experienced scientists (three at senior levels and three at junior levels) in the fields of:

**Biochemistry & Protein Chemistry**  
**Cell Biology & Tissue Culture**

These positions offer the potential for considerable career growth in an atmosphere of multidisciplinary, innovative research and product development.

Duties will include: development of methods for large-scale production of antibodies, toxins and immunotoxin conjugates for clinical trials; *in vitro* and *in vivo* toxicity and efficacy testing; and development of new therapeutic products based on monoclonal antibodies and other targeting agents.

ImmuNoGen offers an excellent salary and benefit package as well as an opportunity for equity participation. The Company is now moving into a fully-equipped, state-of-the-art laboratory in Cambridge, Massachusetts—midway between the campuses of Harvard and MIT.

Please send a detailed resume including salary history and a statement describing your scientific interests and career goals. Confidentiality is assured. All responses will be acknowledged.

Reply to: Dr. Walter Blattler, ImmuNoGen, Inc.,  
124 Mt. Auburn Street, Suite 200, Cambridge, MA 02138

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**Regional Medical Associate**

*Pharmaceutical Marketing*

Currently we have an opening in the Rocky Mountain Region for a Regional Medical Associate to combine both scientific expertise and marketing skills. The selected candidate will report directly to the Regional Vice President and will be headquartered in Denver or Phoenix. Responsibilities are to establish effective relationships within key medical institutions, providing scientific liaison and information that is essential to appropriate use of SK&F’s products. Will have training responsibility at the Representative, Medical Staff and Pharmacy levels. 50% travel.

Qualifications include Pharm.D. or Ph.D. 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:

Box 122  
SCIENCE  
We are an Equal Opportunity Employer.

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**NEUROSCIENCE RESEARCH**

The Neuroscience Research Group of the highly successful $4 billion Abbott Laboratories is continuing its strong basic research efforts in the discovery of novel pharmacological agents to treat neurological and psychiatric disorders. Our interdisciplinary program, ranging from molecular biology to behavior, offers exceptional opportunity and exposure for the following positions:

**Behavioral Pharmacologist**

We seek a Ph.D. with a minimum of 2 years postdoctoral experience and a record of significant research accomplishments. Preference will be given to candidates who have worked in the area of mechanisms of learning, memory, and cognitive functions.

**Cell Biologist**

Candidates should be interested in working on the cell biology of endothelial cells *in vitro* with an emphasis on the mechanism of endocytotic translocation. Ph.D. with postdoctoral experience and a strong publication record required.

**Receptor Autoradiography**

Candidate should have a Ph.D. degree, 2 years or more of postdoctoral training and a record of accomplishment in the use of autoradiography to localize neurotransmitter receptors in the CNS. Experience with other contemporary anatomical techniques is highly desirable.

Recognized by Dun's Magazine as one of the nation's five best-managed companies for 1986, Abbott offers a superior scientific and business environment. Located just 30 miles north of Chicago in an attractive suburban setting, we offer an excellent salary and benefits package which includes profit sharing and stock retirement plan. For confidential consideration, please send your resume with salary history to: Patricia Hardy/Corporate Placement, Dept. S/B-21. Abbott is an Affirmative Action Employer.

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ABBOTT  
ABBOTT PARK IL 60064  
“HEALTH CARE WORLDWIDE”
Department of Agriculture, Agricultural Research Service. NUTRITION (NUTRITION), GS-11/12 ($27,172 to $42,341), depending on qualifications. The Western Human Nutrition Research Center in San Francisco, California is seeking candidates for the position of Biobehavioral Researcher. The successful applicant will be responsible for planning/conducting independent research in area of energy metabolism. Must have knowledge of (i) human metabolic assessment, (ii) genomics, (iii) experimental design. Ph.D. in nutritional sciences or closely related field desirable. Must be a U.S. citizen. For information and application procedures and/or position details contact Dr. Nancy L. Ketam, 415-556-5800. For information on application procedures/forms contact Rita Millard, 301-544-3138. Applications must be received by 30 September 1987. Applicants in response to this advertisement must be marked 7W022. An Equal Opportunity Employer.

RESEARCH POSITION IN CARDIOVASCULAR PHARMACOLOGY AND PHYSIOLOGY available in well-supported cardiovascular laboratory. Human, animal, and bench research in cardiovascular pathophysiology and pharmacology. Ph.D. or commensurate degree in a related scientific area preferred. John B. Housman, M.D., Department of Medicine, University of Medicine and Dentistry of New Jersey—Robert Wood Johnson Medical School, CN—New, New Brunswick, NJ 08903–0019. Equal Opportunity/Affirmative Action Employer, M/F/H/V.

RESEARCH POSITION: Cellular Immunology and Molecular Biology. The Pulmonary Unit (Medical Services) of the Massachusetts General Hospital has a staff of 11 individuals. Background and experience in cellular immunology and molecular biology to work in newly expanded laboratory facilities. Experience in the use of in vitro techniques, in vitro culture and cell culture work, and interest in environmental/occupational immunology are desirable. Please send curriculum vitae and a brief proposal of research interest to: C. Ginns, M.D., Pulmonary Unit, Bullfinch I, Massachusetts General Hospital, Boston, MA 02114. An Equal Opportunity/Affirmative Action Employer.

RESEARCH POSITION: Biochemical Pharmacology and Psychopharmacology. Faculty position available for M.D. or Ph.D. with training and experience in measurements of biogenic amines and metabolites, receptor binding, pharmacokinetics, and subcellular fractionation techniques. Faculty rank and salary commensurate with experience and name of references. Send curriculum vitae and names of three references to: Dr. A. Halaris, Department of Psychiatry, Case Western Reserve University, Cleveland, OH 44106.

RESEARCH POSITION IMMUNOLOGY—IMMUNOCHEMISTRY—INFECTIOUS DISEASES The Veterinary Infectious Disease Organization (VIDO), University of Saskatchewan, has a position for an immunologist with a strong interest in cellular immunology and immunopotentiation using recombiant lymhpokinies to participate in research on economically important diseases of producing animals. Major projects are in the area of bacterial pneumonia and viral enteritis of cattle and swine and viral/bacterial synergism. The successful candidate will have degrees in microbiology or veterinary medicine, together with a Ph.D. in immunology and an interest and experience in at least one of the following areas: immunophysiology and immunoregulation; bacteriology and virology; and/or immunology and molecular biology. The position is located in Saskatoon, Saskatchewan Canada S7N 0W0. An Equal Opportunity Employer.

RESEARCH POSITION BACTERIAL-MUCOSAL IMMUNOLOGIST The veterinary Infectious Disease Organization (VIDO), University of Saskatchewan, has a position for an immunologist with a strong interest in mucosal immunity and immunopotentiation of the immune response using recombinant lymhpokinies with an interest and expertise in mammry gland immunity and bacterial mastitis will merit more immediate consideration. All inquiries and applications should be directed to: Dr. L. A. Babik. Veterinary Infectious Disease Organization 124 Veterinary Road Saskatoon, Saskatchewan Canada S7N 0W0

RESEARCH SCIENTIST Applications are invited for the position of research scientist. Minimum qualification includes a Master's degree in biomedical engineering with 2 years of research experience in the area of biomechanics. Preferred qualifications include 2 years of experience in kinetics as applied to gait analysis and software development for real time kinematic data analysis. Major responsibilities will be development of analytical software in support of research programs relating to gait and upper extremity analysis, assist in the design and implementation of algorithms for foot and ankle motion analysis. The salary is $33,115 per year. Send resumés to: New York State Service, 56 Church Street, White Plains, NY 10601. Refer to: J.O. 0765465. DOI $40,000.0101. An Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST—IMMUNOLOGY Position available for a research scientist who will be part of a team investigating the basic and clinical implications of biologic response modifier therapy. Requirements include Ph.D. or M.D. in immunology with postdoctoral experience and demonstrated research accomplishments. Molecular biology training highly desirable. Send curriculum vitae, training, and details of research interests to: Hulbert Silver, M.D., Ph.D. Head, Department of Advanced Therapeutics Cancer Control Agency of BC 600 West 10th Avenue Vancouver BC V5Z 4E6 Canada

SENIOR BIOCHEMIST Position available to study mechanisms linking hyperlipidemia to thrombosis. Ph.D. or M.D. degree required, plus 1 or 2 years of postgraduate training in areas of cholesterol metabolism or lipid biology. Salary negotiable. Find out more about excellent benefits including: free health, dental, vision and insurance, retirement plan, 3 weeks of paid vacation after 1 year of employment, generous sick leave plan, and more. Call us immediately at: 306-636-1990 and send your résumé to: Personnel Department, Miami Heart Institute, 4701 North Meridian Avenue, Miami Beach, FL 33140–2999. An Equal Opportunity Employer.

The University of Venda situated in Republic of Venda, Southern Africa, seeks for the following post: SENIOR LECTURER/LECTURER—BOTANY. Requirements: M.Sc./Ph.D. in plant development and/or plant physiology. Reply with full curriculum vitae to: Assistant Registrar Personnel University of Venda Private Bag 1020 SIBASA Republic of Venda

The Environmental Defense Fund seeks a SENIOR LEVEL PROFESSIONAL with an advanced degree in economics, development planning or a related field, as well as several years of experience in international development, ecology and resource economics. She or he will work in a research and advocacy campaign to promote in the World Bank, UNDP, and other international financial institutions development that is ecologically sustainable, participatory, and more appropriate for local environmental and social conditions. Write: Bureau Rich, EDF, 1616 P Street, NW, Washington, DC 20036.

Anatomy department with strength in developmental biology seeks a Research FELLOW to conduct independent research, cooperate with investigators in this and other departments, and participate in the teaching program of the department. Submit curriculum vitae to: Dr. Mary Beckman, Department of Anatomy, Medical College of Georgia, Augusta, GA 30912. An Equal Opportunity/Affirmative Action Program.

SENIOR RESEARCH FELLOW in Division of Nutrition and Endocrinology. The individual appointed should already have 1 year of postdoctoral experience in the separation, characterization, and biological investigation of amino acid suppressor tRNA fragments in proteins in biological fluids. Experience in protein HPLC, gel filtration techniques, and electrophrosis is essential for this position. Although appointment will be for 1 year, it is anticipated that there could be renewal for a further 2 years. Send resume to: Dr. David Rose, American Health Foundation, 1 Dana Road, Valhalla, NY 10595. An Equal Opportunity Employer M/F/H/V.

SENIOR RESEARCH FELLOW for university located in north central Ohio to develop research program, including a laser facility for experimental studies, in the general area of nonlinear optics of liquid crystals and light. Experience/liquid crystal/extraordinary optical response are sought. Participation in optical studies of liquid crystal materials; participate in university cooperative programs and provide research problems and support for graduate students. Requires Ph.D. in physics or chemistry plus 1 year of postdoctoral research in liquid crystals. Forty hours per week, $16,000. Application materials sent immediately with résumé to: M. Rush, J/W 119022, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

SENIOR SCIENTIST POSITION MARINE BRANCH, THE EDGERTON RESEARCH LAB: provides scientific leadership for a combined marine biology/chemistry laboratory; provides oversight for research programs involving marine investigators; and initiates grant proposals in own area of expertise. Must demonstrate ability to act as spokesperson for the laboratory and to work with other departments in incorporating research into the New England Aquarium's program goals. Required qualifications: a Ph.D. in marine sciences with strong emphasis in biology, at least 5 years of additional experience in coordinating scientific research programs; an established publication record; and a history of successfully funded research. The labora- tory study includes five marine biologists and four technical staff, in addition to the Department Manager and Administrative Associate. Send letter of application and curriculum vitae to: Personnel Manager, New England Aquarium, Central Wharf, Boston, MA 02110. The New England Aquarium is an Affirmative Action/Equal Opportunity Employer.

SENSORY NEUROPHYSIOLOGIST: Tenure-track possibility for position available at assistant professor level. Serious commitment to collaborative work within the Microsurgical Research Center. Expertise required to characterize electrophysiologically the properties of central axons. Must have regerminated along peripheral nerve implants. Preference given to applicants experienced in spinal cord neurophysiology, and tracts and tracing and histological techniques. Please send curriculum vitae with three letters of recommendation to: Dr. Julia Terzio, Microsurgical Research Center, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, VA 23502.

SOIL-PLANT RELATIONSHIPS—TWO POST-DOCTORAL POSITIONS (1 year minimum). (i) Field and laboratory research using radioactive and stable isotopes to assess plant/soil nutrient relationships. Training in soil/plant biology and experience in use of isotopes desirable. (ii) Field and laboratory research on plant/soil moisture relationships and plant water relations. Training in soil physics and experience in field and laboratory techniques. Computer skills desirable. Applicants must have completed Ph.D. at time of application. Send résumé and names of three references to: James H. duplicator, Utah State University, Logan, UT 84322–5230. Closing: 10 September 1987 or until suitable applicant is found. USU is an Affirmative Action/Equal Opportunity and IRCA Employer.
Opportunities in Biotechnology

Repligen Corporation is a biotechnology company that develops and produces biochemical and biocatalytic products for the health care, personal care and industrial markets. We are seeking highly qualified candidates for the following:

**Mammalian Cell Expression**

- **Principal Investigator** - 208A2. PhD with 5 + yrs.' experience.

This is a senior scientist position to establish and direct a mammalian cell expression laboratory to produce recombinant proteins. The successful candidate will possess an exceptional record of achievement and have proven program management skills.

**Molecular Biology**

- **Research Associate** - 204AB2. MS with 0-2 yrs.' experience or BS/BA with 2-4 yrs.' experience.

Applicants should have skills in genetic engineering, protein purification and/or basic immunological methods.

**DNA Sequencing**

- **Research Scientist**/**Research Associate** - 207A. PhD or BS/MS in Biochemistry/ Microbiology and at least 1-2 yrs. lab experience.

The successful candidate will supervise our DNA sequencing and synthesis service including coordination of sequencing projects.

**Microbiology/Biochemistry**

- **Research Scientist** - 206CD. PhD with 2 + yrs.' experience.
- **Research Associate** - 204F. MS with 0-2 yrs.' experience or BS with 2-5 yrs.' experience.

Successful candidates will have expertise in microbial physiology, cell surface components, and/or growth studies. Experience with binding analysis and receptor studies will be useful.

**Organic Chemistry**

- **Research Associate** - 204D2. BS/MS Chemistry or Biochemistry with 2 + yrs.' experience.

Successful candidate will have at least 2 yrs.' experience in isolation and characterization of natural products or organic synthesis. A working knowledge of HPLC would be desirable.

**Protein Chemistry/ Process Development**

- **Research Scientist** - 206B2C. PhD with 2 + yrs.' experience.
- **Research Associate** - 204F. MS/BS with 2 + yrs.' experience.

Successful candidates must have at least 2 yrs.' experience in developing and scaling up methods for purification of therapeutic proteins produced by recombinant techniques, and working knowledge of GMP manufacturing procedures. Experience with bacterial fermentation of mammalian cell culture a plus.

**Peptide/Protein Chemistry**

- **Research Associate** - 204H. BS with 2-4 yrs.' experience.

Successful candidate will have a working knowledge of protein microcharacterization, including peptide mapping and microsequencing. Knowledge of chemical modification or immobilization a plus.

**Manufacturing**

- **Manufacturing Technician** - 302A2. BS/BA in Biology, Chemistry or related life sciences, or AA and at least 2 yrs.' related experience.

Applicants must have previous experience in large-scale protein purification and ion exchange chromatography. CGMPs are advantageous but not required.

Repligen Corporation offers a competitive salary, excellent benefits and equity participation. Submit cover letter, resume and references to the Personnel Director, Repligen Corporation, One Kendall Sq., Bldg. 700, Cambridge, MA 02139. (Please refer to job code number when applying.) An Equal Opportunity Employer.

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The Division of Urology, UCLA School of Medicine, is recruiting a UROLOGIST to function as a full-time faculty member primarily in the areas of urodynamics and female urology. Applicants must be Board-certified or Board-eligible, have extensive experience and made sufficient contributions to the field of clinical research in urology, including the health status of patients with cardiovascular disease, and be able to supervise the clinical research program. Applicants must be Board certified or Board-eligible in urology. Salary range and rank negotiable. An Equal Opportunity, Affirmative Action Employer. Contact: Robert Mathog, M.D., Professor and Chairman, Department of Urology, Wayne State University, 540 East Canfield, Detroit, MI 48201.

VETERINARY CLINICAL PATHOLOGIST. Department of Veterinary Pathology, Purdue University, invites applications for a faculty position. Preference will be given to candidates with demonstrated extramural funding success who will complement our research in toxicologic pathology, bone marrow culture systems, bronchialalveolar lavage and cerebrospinal fluid profiling, or neutrophil function. The investigator also is expected to supervise graduate students and teach graduate courses in his/her specialty. Please send curriculum vitae and names of three references to: Dr. F. R. Poncz, Head, Department of Veterinary Pathology, Purdue University, West Lafayette, IN 47907. Applications will be accepted until 1 September 1987 or until the position is filled. Purdue University is an Affirmative Action/Equal Opportunity Employer.

AWARDS

REQUEST FOR NOMINATIONS

The Ecological Society of America invites nominations for the ESA Corporate Award. This award, given annually in one of six categories, recognizes a corporation, business, or individual for accomplishment in incorporating ecological concepts, knowledge, and practices in planning and operating procedures. This year's category is Environmental Education, which includes organizations that produce materials in print, film, video, software, or multi-media formats; conducting workshops or training sessions; or providing other types of educational programs or services primarily concerned with environmental education. Nominations should be made by 1 November 1987. To receive information about criteria for selection and nomination procedures, contact: Dr. J. C. Randolph, ESA Corporate Award Committee, Society of Public and Environmental Affairs, Indiana University, Bloomington, IN 47405. Telephone: 812-335-5888.

COURSES

HOW TO MAKE MICROPAPULSES A HANDS-ON COURSE

A 3-day laboratory course designed to teach the art and science of micropulping. Suitable for biologists, pharmacists, chemists, and engineers. Enrollment limited to twelve. Lectures and laboratory sessions by Dr. Curt Thies, Professor of Chemical Engineering at Washington University in St. Louis. Fall session 11 to 14 October and 15 to 18 November 1987. For information call: 314-889-6066.

24 September 1987 and 29 October 1987: The Bio-technology Division of Fisher Scientific is sponsoring a Microbiology Workshop entitled "SOME DO'S AND DON'TS AND HOW TO'S IN CELL CULTURE" to be held at the Denver Marriott Southeast and the Houston Marriott Medical Center, respectively. For further information and details, write: Dr. Samuel Makover, Ph.D., Fisher Scientific, 711 Forbes Avenue, Pittsburgh, PA 15219 or call: 412-562-1702.

GRANTS


American Health Assistance Foundation is accepting RESEARCH GRANT APPLICATIONS for Coronary Heart Disease Research and National Glaucoma Research up to $25,000. For further information, please write to: American Health Assistance Foundation, c/o Carolyn P. Krym, 15825 Shady Grove Road, Suite 140, Rockville, MD 20850. Deadline 30 November 1987.

TRAINING PROGRAM

POSTDOCTORAL TRAINING OPPORTUNITIES are regularly available with the College of Biological Sciences at the University of Minnesota. Inquiries may be directed to the Director, Graduate Program, Division of Biological Sciences, for information. Contact: Dr. R. L. H. Hauenstein, Head, Division of Biological Sciences, 1987-88. For specific areas of interest, please write to: Dr. R. L. H. Hauenstein, Head, Department of Biological Sciences, St. Paul, MN 55108. The University of Minnesota is an Equal Opportunity Employer and requests specific areas of interest on all applications.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP. Position is available for recent Ph.D. for research in the cell biology and biochemistry of blood cells and vascular cells. Appointment at Harvard Medical School and the affiliated Brigham and Women's Hospital. Starting time flexible. Send curriculum vitae and names of three references to: Dr. Andrew I. Schaer, Hematology Division, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115. Equal Opportunity Employer.

FELLOWSHIPS

ALEXANDER HOLLAEENDER DISTINGUISHED POSTDOCTORAL FELLOWSHIP PROGRAM provides research opportunities in the life, biomedical, and environmental sciences. Fellowships are tenable at various U.S. Department of Energy laboratories and university laboratories with programs supportive of the Office of Health and Environmental Research. Stipend is $35,000. A doctoral degree received after 1 April 1986 is required, as is U.S. citizenship or PRA status. Deadline is 19 January 1988. For application materials contact: Hollaeender Postdoctoral Fellowships, University Programs Division, Oak Ridge Associated Universities, Bldg. 117, Oak Ridge, TN 37831-0117. Telephone: 615-576-3190.

POSTDOCTORAL FELLOWSHIP—A 2-year postdoctoral research position is available in the Division of Medical Oncology, Jefferson Medical College for 1 August 1987 to study the role of HLA in human sarcomas. Candidates should have a Ph.D. degree with strong background in performing gel electrophoresis as well as basic immunology. Tissue culture experience is suggested, but not mandatory. Please submit curriculum vitae and the names of three references to: Susan F. Slovik, Ph.D., Michael J. Mastrangelo, M.D., Division of Medical Oncology, Jefferson Medical College, Thomas Jefferson University, 1015 Walnut Street, Philadelphia, PA 19107. Thomas Jefferson University is an Equal Opportunity Affirmative Action Employer.

FELLOWSHIPS are available for pre- and postdoc- toral study in the Pharmacology Graduate Program of the Grace Cancer Drug Center, Roswell Park Memorial Institute, a graduate division in the University of New York at Buffalo. Stipends and tuition waivers are available for eligible candidates. The program offers diversified training in the pharmacologic, molecular, and biochemical basis for drug action with emphasis on cancer therapeutics. Specific areas include: cellular differentiation and growth regulation, cellular ultrastructure, oncogenes, drug resistance, immunophar- macology and metabolic regulators, inhibition or alteration of nucleic acid protein and membrane components, pharmacokinetics and drug metabolism, mechanisms of carcinogenesis, genetic basis for drug action, preclinical and clinical pharmacology, medicinal chemistry, and toxicology in U.S. citizens and permanent residents may send applications to:

E. Michl, M.D., Chairman
Graduate Pharmacology Program
Roswell Park Memorial Institute
Grace Cancer Drug Center
665 Elm Street
Buffalo, NY 14263

Please include curriculum vitae and indicate two references.

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POSTDOCTORAL FELLOWSHIP IN MOLECU- LAR BIOLOGY OF MEGAKARYOCYTES. Ph.D. to study the interactions of the platelet glycoproteins IIb and IIIa, with a major aim of understanding the role of functional relationships of cloned megakaryocyte genes for PF4 and glycoproteins IIb and IIIa. Studies will involve in situ hybridization and site-directed mutagenesis. Experience with recombinant DNA methodology and megakaryocyte biology needed. Send résumé, statement of research interest, and names of three references to: Dr. Mortimer Ponca, The Children's Hospi- tal of Philadelphia, 1 Civic Center Boulevard, Phila- delphia, PA 19104. Affirmative Action/Equal Opportunity Employer.

MARKETPLACE

Circle No. 13 on Reader Service Card

SCIENCE, VOL. 237
The Bristol-Myers Company will award five postgraduate cancer research fellowships for programs beginning in July 1988. The fellowships are designed to support excellence among investigators who have expressed interest in clinical medicine and who also want to undertake advanced study in basic research. Five fellowships, each for a period of three years, will be announced in early 1988. Awards will be made to individual fellows and their sponsors and are not transferable under any circumstances.

Fellows will be expected to devote their entire fellowship period solely to research activity at the basic and/or clinical levels. During their fellowships period, they will work closely with their sponsors. It is anticipated that by the conclusion of the fellowship period, fellows will be able to begin independent research programs applying basic science to the solution of clinical problems.

**AMOUNT OF FELLOWSHIP:**
$40,000 per year for three years, beginning July 1988

**DEADLINE FOR APPLICATIONS:**
November 16, 1987

**SELECTION COMMITTEE**

Daniel E. Bergsagel, M.D., D.Phil.
Ontario Cancer Institute/
Princess Margaret Hospital

John R. Durant, M.D.
Fox Chase Cancer Center

Emil Frei, III, M.D.
Harvard Medical School/
Dana-Farber Cancer Center

George Klein, M.D.
The Karolinska Institute

Joshua Lederberg, Ph.D.
The Rockefeller University

Albert H. Owens, Jr., M.D.
The Johns Hopkins University
School of Medicine

Henry C. Pitot, M.D., Ph.D.
McArdle Laboratory for Cancer
Research

Phillip A. Sharp, Ph.D.
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Richard J. Steckel, M.D.
Jonsson Comprehensive Cancer Center, UCLA

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Japanese Foundation for Cancer Research

E. Donnall Thomas, M.D.
Fred Hutchinson Cancer Research Center

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Rules and official application forms are available from: Secretary, Bristol-Myers Cancer Research Fellowships, 345 Park Avenue, Room 43-38, New York, NY 10154; Telephone (212) 546-4337.
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