Personnel Placement

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing, no abbreviations. Copy must be received 8 weeks after date of issue in which ad appears. Also, personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the grounds of race, religion, age, color, national origin, handicap, or sexual preference. SCIENCE reserves the right, in its discretion, to decline to publish any advertisements submitted to it.

LINE CLASSIFIED ADVERTISING DEADLINES:
Thursday, 10 a.m., 2 weeks prior to issue date (mailed on issue date). Prepayment required. This rate is available only to individuals seeking jobs.

LINE CLASSIFIED (POSITIONS OPEN, COURSES, FELLOWSHIPS, MARKETPLACE, and so forth): $40.00 per line, $400 minimum, per week (minimum charge covers one line on a single column, 10 lines of 52 characters and spaces per line). No charge for use of box number. No agency commission for use of box number. No cash discount. Prepayment required for all foreign ads. Purchase orders accepted only as full payment. For editing, please contact Scherago Associates.

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 line spaces, and all partial lines (including centered reply information) are counted as full lines. Full lines not located within the text are printed in boldface caps and are also 32 characters per line. In estimating the cost, multiply total lines × $40.00 approximately cost of ad. (This is an approximate cost only. Allow for variation between estimated lines and actual typeset lines and the resulting final cost. Purchase orders must allow for some degree of flexibility in the line estimation.)

CANCELLATION POLICY:
NOTE: Ad cancellations made after Thursday, two weeks prior to issue date incur a 10% 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
1333 H Street, NW
Washington, DC 20005
Telephone: 202-326-6555

Send copy for Fractional Display ads, 1/6 page and larger, and all Marketplace ads to:
Scherago Associates, Inc.
1515 Broadwater
Norfolk, VA 23517
Telephone: 757-730-1050

Blind ad replies should be addressed as follows:
Box (give number)
SCIENCE
1333 H Street, NW
Washington, D.C. 20005

POSITIONS WANTED

Cellular Immunologist, Ph.D. Ten years of experience in immunoregulation, animal models and genetics of autoimmune disease. Seeks challenging position in academia or industry, New Jersey/Pennsylvania. Experienced in research, teaching, grant and publication preparation. Box 100, SCIENCE.

Immunologist, Ph.D. Experienced senior-level scientist with broad-based experience in industry and academia seeking responsible position in established or start-up biotechnology company. In-depth experience in tumor immunology, hybridomas, and large-scale cell culture. Significant project management experience. Box 93, SCIENCE.

M.B.B.S., Ph.D. Experienced in neuropathology of poliovirus simian nervous system, potency/field usage of viral vaccines. Enzymes radio-immunoassays hepatitis viruses/AIDS in hyperendemic regions. Seeks visiting/staff position. Box 102, SCIENCE.

Mass Spectroscopist, Ph.D. Broad and productive research experience achieving mass spectrometry in the chemical and biological sciences. Many publications. Excellent writing and interpersonal skills. Experienced in all aspects of NHT grant processes. Seeks interdisciplinary opportunity at the mid- to senior professional level in academia, government, or private sector. Box 81, SCIENCE.

Ph.D. Several years of experience in RIA, GC, HPLC, immunoassay development. Over 10 years in reproductive endocrinology research. Last 5 years involved in ANF research. Excellent references and publications. Seek academic, industrial, or clinical research position. Box 95, SCIENCE.

Pharmakokinetic, M.A., Ph.D., M.D., 3 years of post-doctoral research, seven publications, experienced in drug delivery/testing in animals, animal surgery, working knowledge of TLC, HPLC, and spectroscopic protein characterization (including sequencing) desires industrial position; will relocate and travel. Box 103, SCIENCE.

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

POSITIONS OPEN

ACADEMIC HEMATOLOGIST—The University of Vermont. Full-time faculty position in the Department of Medicine in conjunction with the Vermont Specialty in Hematology. Members of the Division of Hematology. Candidates should have documented research performance in hemostasis and thrombosis and/or thrombolysis. Most likely, the successful candidate will be a B.E./B.C. physician in an appropriate specialty of medicine or an exceptionally qualified basic scientist. The application must provide evidence of continuing research, support, and maintenance of extramural sources of support. Academic rank and salary will be consistent with the applicant's qualifications. Please direct inquiries with curriculum vitae and names and addresses of three references to: Richard Brandza, M.D., Director, Hematology/Oncology, 32 North Prospect Street, Burlington, VT 05401. UVM is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. Applications will be accepted until the position is filled.

POSITIONS OPEN

ANALYTICAL CHEMISTRY MANAGER. Supervise chemistry staff and work in full-service laboratory with GC, GC-MS, AAS, and various other equipment. Experience with QA/QC, environmental regulations preferred. Consulting with parent corporation and other clients required. Full-time position. Salary to $45,000. Ph.D. or M.S. in chemistry. Resume and references to: Environmental Quality Laboratory, Inc., 1009 Tamiami Trail, Port Charlotte, FL 33953.

ASSISTANT DIRECTOR, ACADEMIC AFFAIRS, College of Agriculture and Life Sciences, 12-month appointment with possibility of associate or full professor; minimum of 5 years of teaching, research, and academic advising experience; previous administrative experience desirable. Preference will be given to candidates with a background in life sciences. Duties include working with other members of the administrative team, student recruitment, interaction with student organizations, and other assignments appropriate to the academic office of a major college in a land-grant institution. Nominations and applications should be sent to: Search Committee, College of Agriculture and Life Sciences, Box 7615, North Carolina State University, Raleigh, NC 27695-7615.

Applications should include a complete curriculum vitae and employment history, a statement not to exceed one page describing the applicant's administrative philosophy, and the names, addresses, and telephone numbers of three persons who may be contacted by the search committee to evaluate the candidate. Proper documentation of identity and employability will be required before the hiring process can be completed. Deadline for all applications is 15 September 1989. North Carolina State University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY QUEEN'S UNIVERSITY

The Department of Physiology, Queen's University, is seeking an individual with research accomplishments and interests in the molecular biology of nerve regeneration to be appointed as an assistant professor. Priority will be given to an applicant with experience in immunotoxicology and in situ hybridization techniques. The successful applicant will be expected to acquire salary and research support through applications to the Medical Research Council or other agencies. Candidates of both sexes are equally encouraged to apply. Applicants should submit curriculum vitae, a brief statement of their research interests and objectives, and the names of three referees from whom a confidential assessment of research and teaching abilities may be obtained. To: M. A. Bishay, Department of Physiology, Queen's University, Kingston, Ontario, Canada K7L 3N6. Applications will be accepted until 31 August 1989.

ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY QUEEN'S UNIVERSITY

The Department of Physiology, Queen's University, wishes to recruit an assistant professor who will conduct independent, externally funded research program and contribute to the teaching duties of the Department. While preference may be given to applicants working in the cardiovascular area, those expert in endocrine, gastrointestinal, or pulmonary physiology are also encouraged to apply. This is a funded special appointment for a 5-year term, but the successful candidate is expected to apply to appropriate agencies for scholarship support. Candidates of both sexes are equally encouraged to apply. In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. Applicants should submit curriculum vitae, a brief statement of their research interests and objectives, selected reprints, and the names of three referees from whom a confidential assessment of research and teaching abilities may be obtained: To: Dr. M. A. Bishay, Department of Physiology, Queen's University, Kingston, Ontario, Canada K7L 3N6. Applications will be accepted until 15 September 1989.
ASSISTANT PROFESSOR—The Department of Anatomy is seeking applications for a tenure-track assistant professor position. The successful candidate must have completed a Ph.D. or equivalent degree in cell and molecular biology or anatomy or neuroscience. A strong research program is essential. Research area is open, although preference will be given to candidates in cell and molecular biology, neuroscience or related fields. Applicants should have the M.D. or Ph.D. degree and equivalent degree, at least 2 years of postdoctoral research, and a funded or fundable research program are required. Additional criteria include a strong commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. Joseph T. Weber, Department of Anatomy, Tuskegee University, Tuskegee, Alabama 36088.

ASSISTANT PROFESSOR—The Department of Physiology, Queen’s University, wishes to recruit an assistant professor in cell physiology who will conduct an independent, externally funded research program and be a member of the Department. While the excellence of the candidate will be the most important factor, some preference may be given to those with research interests that complement the existing strength of the Department. The position is full-time and will begin 1 September 1989. Applications will be accepted until 15 September 1989.

ASSISTANT PROFESSOR—The Department of Anatomy and Cell Biology, Wayne State University, invites applications for a tenure-track position at the assistant/associate professor level. The department is seeking candidates with research interest in cell and molecular biology. The successful candidate will have the Ph.D. degree and will be expected to participate actively in the teaching program and to establish a research program. The applicant should submit a curriculum vitae, a statement of research interests and at least three references to: Dr. William L. Carter, Chair, Department of Anatomy and Cell Biology, Wayne State University, School of Medicine, 540 East Canfield, Detroit, Michigan 48201.

ASSISTANT PROFESSOR—The Department of Physics and Biophysics at the University of Florida College of Medicine in Gainesville, Florida, seeks applications for a position at the assistant professor level. Applicants should have the M.D. or Ph.D. degree and equivalent degree, at least 2 years of postdoctoral research, and a fundable research program are required. Additional criteria include a strong commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. Christiana M. Leonard, Chairman, Department of Neurosciences, Box J-244, Miller Health Center, Gainesville, Florida 32610-0244.

ASSISTANT PROFESSOR—The Section of Pathology, Department of Medicine, University of California, San Francisco, invites applications for a position to be filled as an associate professor. The position is available on a full-time basis, commencing 1 July 1989. The successful candidate will have the Ph.D. degree and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. Robert R. Scott, Chairman, Department of Pathology, University of California, San Francisco, 3333 California Street, San Francisco, California 94118.

ASSOCIATE PROFESSOR, DEPARTMENT OF PATHOLOGY, MEDICAL COLLEGE OF VIRGINIA The Medical College of Virginia, a major academic center, is seeking applications for an assistant professor position. The successful candidate will have completed a Ph.D. degree in molecular biology, physiology or biochemistry and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. Donald Meek, Department of Pathology, Medical College of Virginia, P.O. Box 980420, Richmond, Virginia 23298.

ASSOCIATE PROFESSOR, DEPARTMENT OF PATHOLOGY, UNIVERSITY OF MISSOURI The Department of Pathology at the University of Missouri invites applications for a position at the assistant professor level in the field of immunology. The successful candidate will have completed a Ph.D. degree in immunology or a related area and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. J. M. L. Wilson, Chairman, Department of Pathology, University of Missouri, Columbia, Missouri 65211.

ASSOCIATE PROFESSOR, DEPARTMENT OF PATHOLOGY, UNIVERSITY OF MICHIGAN The Department of Pathology at the University of Michigan invites applications for a position at the assistant professor level in the field of immunology. The successful candidate will have completed a Ph.D. degree in immunology or a related area and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. J. M. L. Wilson, Chairman, Department of Pathology, University of Michigan, Ann Arbor, Michigan 48109.

ASSOCIATE PROFESSOR—The Department of Pathology at the University of Miami School of Medicine invites applications for a position at the assistant professor level in the field of immunology. The successful candidate will have completed a Ph.D. degree in immunology or a related area and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. J. M. L. Wilson, Chairman, Department of Pathology, University of Miami School of Medicine, Miami, Florida 33101.

ASSOCIATE PROFESSOR, DEPARTMENT OF MEDICAL MICROBIOLOGY The Department of Medical Microbiology at the Medical College of Virginia, a major academic center, is seeking applications for a position at the assistant professor level in the field of immunology. The successful candidate will have completed a Ph.D. degree in immunology or a related area and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. J. M. L. Wilson, Chairman, Department of Pathology, University of Virginia, Charlottesville, Virginia 22908.

ASSOCIATE PROFESSOR—The Department of Microbiology at the University of Florida College of Medicine in Gainesville, Florida, invites applications for a position at the assistant professor level. Applicants should have the M.D. or Ph.D. degree and equivalent degree, at least 2 years of postdoctoral research, and a fundable research program are required. Additional criteria include a strong commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. Christiana M. Leonard, Chairman, Department of Neurosciences, Box J-244, Miller Health Center, Gainesville, Florida 32610-0244.

ASSOCIATE PROFESSOR—The Department of Pathology at the University of Texas, Southwestern Medical School, invites applications for a position at the assistant professor level in the field of immunology. The successful candidate will have completed a Ph.D. degree in immunology or a related area and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. J. M. L. Wilson, Chairman, Department of Pathology, University of Texas, Southwestern Medical School, Dallas, Texas 75240.

ASSOCIATE PROFESSOR, DEPARTMENT OF PATHOLOGY, UNIVERSITY OF MICHIGAN The Department of Pathology at the University of Michigan invites applications for a position at the assistant professor level in the field of immunology. The successful candidate will have completed a Ph.D. degree in immunology or a related area and will be expected to participate actively in the teaching program and to establish a research program. The position requires an active commitment to teaching, a clear statement of research interest and a history of participation in research program. Applications should include a curriculum vitae, a statement of research interest and a list of references to be sent by 1 November 1989 to: Dr. J. M. L. Wilson, Chairman, Department of Pathology, University of Michigan, Ann Arbor, Michigan 48109.

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POSITIONS OPEN

DEPUTY DIRECTOR GENERAL
DIRECTOR OF RESEARCH

A Central American-based Agricultural Research Center actively involved in experimental station and on farm research for various tropical fruits and vegetables such as bananas and plantains, winter squash, raspberries, onions, lima beans, asparagus, mangos, cacao, etc. is looking for:

A DEPUTY DIRECTOR GENERAL to plan, direct, supervise, and evaluate the administrative/technical operations of the institution, supervise/oversee the appropriate use of fiscal, financial, and human resources; assist in the preparation of the Annual Plan of Work and Budget.

A DIRECTOR OF RESEARCH to plan, develop, and supervise programs and projects for research; supervise the operational units to ensure proper development of plan of work, research activities, communications, and technical services.

Candidates must have a Ph.D. or master's in one of the agricultural sciences; minimum of 5 years of experience in agricultural research and research administration; be fluent in both English and Spanish.

Interested candidates should send résumé, references, and salary history to: C. H. Smith, Arthur Young, 3000 K Street, NW, Washington, DC 20007 (no calls please).

DIRECTOR OF ANATOMIC PATHOLOGY—University of California School of Medicine at San Francisco is seeking a full-time academic pathologist at the associate or full professor tenured-level for the UCSF Moffit-Long Hospital. Candidate expected to share in service and teaching; subspecialty pathology interest desirable. The position is expected to be Director of Surgical Pathology. Anatomic Pathology Board certification and California license are required. Send curriculum vitae to: Surgical Pathology Search Committee, Department of Pathology, University of California, San Francisco, CA 94143-0506. UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities encouraged to apply.

ECOTOXICOLOGIST

Exxon Biomedical Sciences, Inc. has an immediate opening for a qualified individual specializing in ecotoxicology and environmental hazard assessment. The successful candidate will have a Ph.D. in ecotoxicology or an environmentally related field with a 0 to 2 years of postdoctoral experience. Experience in or a knowledge of the application of both effects and fate data to real world concerns as well as knowledge of regulatory requirements (TSCA/PMN) would be desired.

Exxon Biomedical Sciences, Inc. performs both consulting and laboratory toxicology for affiliates around the world. Its resources include state-of-the-art aquatic toxicology, environmental chemistry, and mammalian toxicology laboratories. The candidate will perform as a study monitor and internal consulting toxicologist. Client interactions are an important aspect of our work, and thus, we are also seeking an individual who has excellent communication skills. Please forward résumé to: Human Resources:

Exxon Biomedical Sciences, Inc.
CN 2350, Mettlers Road
East Millstone, NJ 08875-2350
Equal Opportunity Employer M/F/H/V

EUKARYOTIC MOLECULAR BIOLOGIST

Assistant professor, tenure-track position at Kenyon College. Candidates should have a Ph.D., active research program involving undergraduates, and evidence of excellence in teaching. Consideration will be given to all types of eukaryotic research utilizing tools of molecular genetics and/or molecular immunology irrespective of the eukaryotic organism of study. Teaching duties include molecular biology and introductory courses. The college provides support for start-up costs. Interested individuals should submit curriculum vitae, graduate and undergraduate transcripts, three letters of reference, and a description of teaching and research interests by December 1, 1999 to: Dr. Dorothy Feigl, Biology Department, Kenyon College, Gambier, OH 43022.

An Equal Opportunity Employer.

Opportunities for BS/MS in Leukocyte, Biology and Cartilage Metabolism

The Institute for Arthritis and Autoimmunity (IAA) is engaged in a major expansion of its staff. IAA is the newest of four major research groups located at the newly-formed Miles Research Center in West Haven, CT near the Yale University Campus. The Center functions as a major research resource of Bayer AG of West Germany and its subsidiary, Miles Inc.

IAA is seeking applicants with a BS or MS to participate in research programs devoted to the study and treatment of inflammatory diseases. Specific areas of our research interest are described below:

Leukocyte Biology Group

We are seeking an individual who will conduct studies concerned with the biology, biochemistry and molecular biology of mammalian and human leukocytes. This individual should possess an MS with 3 years or a BS degree with 5 or more years of laboratory experience in either immunology, biochemistry, or cell biology. Experience in cell culture, protein purification, and characterization by various electrophoretic techniques, as well as enzymology is imperative. Additional experience in the isolation of cells from blood and exudate, immunological, molecular biological, and biochemical characterization of effector cells would be useful.

Cartilage Metabolism Group

Position available immediately to study the involvement of metalloproteases in cartilage metabolism with special regard to osteoarthritis. Applicants should possess a BS and/or MS degree and 2-3 years of laboratory experience in recombinant DNA and/or protein biochemistry. A strong background in screening cDNA libraries, DNA sequencing, northern, southern and western blotting, transfection, and/or protein purification, enzyme assays, and tissue culture is desirable.

Histology Group

IAA is seeking a BS or MS with 5 or more years of experience in histology. This individual will be responsible for establishing and operating a histology laboratory. Experience with either frozen or hard tissue sectioning is required.

The positions offer attractive compensation commensurate with qualifications, generous benefits, and an excellent opportunity for personal growth and professional satisfaction. Resumes should be forwarded to: Department ACE, Miles Research Center, 400 Morgan Lane, West Haven, CT 06516.

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**Project Leader**  
**Natural Products Chemistry**

Pfizer is recognized as a worldwide leader in the discovery and development of novel pharmaceuticals. We currently have an exceptional opportunity available for an experienced PhD Chemist to join the Natural Products Discovery and Screening Department as a project leader in natural products chemistry. Located at our expanding Central Research facilities in Groton, Connecticut, you will be responsible for coordinating the activities of a group of scientists engaged in the isolation and structure determination of natural products expressing biological activity in a variety of therapeutic areas. The position requires strong communication and interpersonal skills in addition to technical competence in contemporary structure elucidation methods and separation techniques.

Pfizer offers an excellent salary and comprehensive benefits package as well as the opportunity to pursue a stimulating career in an atmosphere created for the encouragement of interdisciplinary cooperation and professional achievement.

For consideration, please submit your resume to: Charles P. Norris, Supervisor Employee Resources, Pfizer Inc., Central Research Laboratories, Eastern Point Road, Groton, Connecticut 06340. An equal opportunity employer.

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**Postdoctoral Training**  
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Positions available for study in various aspects of cancer research and toxicology through the Departments of Biochemistry, Chemistry, Medicine, Pharmacology, and Pathology. Areas of investigation include synthetic chemistry related to toxic chemicals, mechanistic biochemical chemistry, chemistry of heavy metal antidotes, DNA-carcinogen physical interactions, enzymology of animal and human cytochromes P-450 and chromatin proteins, the basis of metal carcinogenesis, chromatin function, hepatocarcinogenesis, eicosanoids, regulation of glutathione metabolism, and NMR and mass spectrometry. Salaries are negotiable.

**Faculty**
- Ian A. Blair
- Robert C. Briggs
- Raymond F. Burk
- Peter Gettins
- F. Peter Guengerich

Applicants should submit curriculum vitae and three letters of recommendation to Dr. F. P. Guengerich, Director, Center in Molecular Toxicology, Vanderbilt University, School of Medicine, Nashville, TN 37232.

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**PRODUCT DEVELOPMENT SPECIALIST**

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Candidates for this position must have 3 to 4 years’ experience in the pharmaceutical or health care industry, preferably in clinical studies monitoring or study coordination. Previous experience in the management of clinical studies is desirable but not essential.

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**Amgen, Inc.**

Recruitment, Dept. #397
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The National Research Council in cooperation with the National Institutes of Health conducts three annual competitions for research awards for independent scientific research. Recipients will be free to pursue research problems of their own choice as guest investigators at NIH. Duration of award is one year renewable to a maximum of three. Annual stipends start at $28,000. Relocation reimbursement and funds for professional travel on tenure are available, and a health insurance program is provided.

Deadlines for application: August 15, 1989, January 15, April 15 and August 15, 1990 for competitions to be held in October 1989 and February, June and October 1990 respectively.

For application materials and further information concerning specific participating Institutes and Laboratories, write to:
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(GR 430A/H)
NATIONAL RESEARCH COUNCIL
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Applications are invited for a chair in
CHEMICAL CRYSTALLOGRAPHY
at the Organic Chemistry Laboratory of the ETH Zurich.

The post requires participation in teaching chemistry at the undergraduate level. In research the new professor is expected to apply crystallographic methods to the solution of problems of structure and reactivity involving low and high molecular weight compounds, including those of biological relevance, and to interact with other research groups.

Candidates will have an advanced university degree, internationally recognized contributions to one of the above mentioned fields and a proven ability to conduct high quality research. Enthusiasm to teach at all university levels and willingness to cooperate with colleagues within and outside the university are indispensable.

Applications with curriculum vitae and list of publications (no publications) should be submitted before September 15, 1989, to the President of ETH Zurich, Prof. Dr. H. Bühlmann, ETH-Zentrum, CH-8092 Zurich.
Positions Open

Faculty in Biotechnology

Applications are invited for tenured-track faculty in the Department of Biology, Indiana University–Purdue University Indianapolis. Applicants for faculty positions should have a Ph.D. degree, postdoctoral training, and experience in state-of-the-art mammalian molecular genetics or protein biochemistry; a history of grant support is highly desirable. Successful candidates will be expected to establish cooperative educational initiatives with Indiana industry; develop an active, externally funded research program; and contribute to the continued development of the M.S. and Ph.D. programs in biotechnology. The position will require a substantial teaching commitment and a record of accomplishment. Applicants with significant scientific achievement may be appointed to the rank of associate professor. The review of applications will begin 1 September 1989. Send three letters of recommendation to: Dr. Charles Schauf, Professor and Chairman, Department of Biology, Purdue University School of Science, 1125 East 58th Street, Indianapolis, IN 46205. Indiana University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are particularly encouraged to apply.

Faculty Position in Atmospheric Chemistry

Applications are invited for an open-level, tenure-track appointment in a joint position between the Department of Soil and Environmental Sciences (67% teaching) and Statewide Air Pollution Research Center (33% research and extension). There is a strong commitment to develop and maintain an independent research program related to the formation and fates of airborne constituents and to teach undergraduate and graduate courses in the science of polluted air. Candidates for appointment with a research emphasis must have clearly demonstrated strengths in research and teaching. Potential candidates are requested to submit curriculum vitae and three letters of reference. Applications from women or minorities are encouraged and will be reviewed until the position is filled. Applications will be accepted until 1 September 1989. U.C. is an Equal Opportunity/Affirmative Action Employer.

Faculty Position in Cell Biology

Tenure-track assistant/associate professor position available June 1990 for applicants with a cell or molecular approach to mammalian biology. Research interests in the department include: Developmental molecular and cellular endocrinology, developmental reproductive biology, or cellular neurobiology. Teaching responsibility in cell biology/hematology. Send curriculum vitae and three letters of recommendation to: Dr. Floyd Reid, Professor and Chairman, Department of Cell Biology and Anatomy, Texas Tech University Health Sciences Center, Lubbock, TX 79430. Ttuhsc is an Equal Opportunity/Affirmative Action Employer.

Infectious Diseases/Molecular Biologist Tenure-Track or Tenured Position

The Department of Pathobiological Sciences is seeking an individual with training in molecular aspects of infectious disease research, preferably bacterial diseases. Salary and rank commensurate with training and experience. Send curriculum vitae and names of at least three references to: Dr. R. D. Schultz, Professor and Chairman, Department of Pathobiological Sciences, School of Veterinary Medicine, University of Wisconsin–Madison, 15 Linden Drive West, Madison, WI 53706. Telephone: 608-265-9888. Equal Opportunity/Affirmative Action Employer.

Marine Minerals Coordinator

Full-time permanent position. Starting salary approximately $2200 to $2500 per month plus generous fringe: 2 weeks vacation, 2 weeks sick leave, health insurance, retirement plan, and 12-13 paid holidays. Requires graduate degree and marine minerals experience required. Minimum of 4 years progressively responsible experience in acquisition, evaluation, interpretation, and management of marine technical and/or economic data. The successful candidate will provide marine mineral resource input to a multidisciplinary offshore state planning effort for the Oregon coast and offshore area. Duties include management of the department's marine minerals program, negotiating and administering contracts for offshore studies, planning and conducting meetings and symposia, writing and presenting clear and concise reports and publications, participating in the geological aspects of coastal land use planning, and offshore resource planning. Also includes effective communication with a diverse public, providing the public service role for the Department on specific issues, and serving on offshore planning committees. Close coordination is required with the public, local government and federal, state, university, and industry counterparts. Interested, send résumé and three references (names and telephone numbers) from present and previous supervisors. Also request an application packet from: Oregon Department of Geology and Minerals, 1400 S.W. Fifth Avenue, Room 910 Portland, OR 97201 Telephone: 503-378-5580. Deadline for receipt of completed application packet is 1 October 1989. An Equal Opportunity Employer.

Health Scientist

The Environmental Criteria Assessment Office (ECAO) of the Environmental Protection Agency (EPA) is seeking candidates for one open position, GS 12-13 ($34,580 to $53,460 per year, based on qualifications), located at Research Triangle Park, North Carolina. The principal duties of the health hazard assessments of air pollutants and research to develop improved methods to perform such assessments. Only U.S. citizens are eligible. The essential qualifications required include: knowledge of highly specialized, closely related biological discipline such as pharmacology, physiology, biochemistry or immunology (equivalent experience in fields closely related to one of these disciplines is acceptable); professional experience as a principal investigator in toxicology or health risk assessment research; publications and presentations at national scientific meetings in toxicology or health risk assessment; and ability to perform health hazard assessments. Expertise in inhalation toxicology is desirable, but not required. Please submit SF-171 and supporting documentation by 31 July 1989: to: Dr. Lester Grant c/o Martha Strobel, EPA RD-29, Research Triangle Park, NC 27711. Further information call: Martha Strobel 919-541-4518. EPA is an Equal Opportunity/Affirmative Action Employer.

Mathematical Geneticist

A tenure-track assistant professor–level position is available for a Ph.D. in genetics or closely related field, or an M.S. if appropriate, in the Department of Psychiatry, University of Utah Medical Center. The Department of Psychiatry has ongoing molecular genetic linkage studies of schizophrenia, manic-depressive, and Tourette's, in collaboration with the Howard Hughes Medical Institute at Salt Lake City. Applicants should have research expertise in genetic linkage analysis as well as strong training and experience in molecular biology and a cultured environment (Utah Symphony, Ballet West) surrounded by high mountains and life-threatening ski slopes. Contact: William H. McElreath, M.D., Department of Psychiatry, 50 North Medical Drive, Salt Lake City, UT 84132. The University of Utah is an Equal Opportunity/Affirmative Action Employer. Deadline: 30 September 1989. Applications will be accepted after the deadline if qualified person has not been identified.

Medical Chemistry Faculty Position Biological NMR Spectroscopy

The Department of Medicinal Chemistry, The Ohio State University, invites applications for a tenure-track assistant professor position beginning as soon as possible. Candidates should have a Ph.D. in medicinal chemistry, or for those outside the chemistry, or biochemistry, an M.S. or Ph.D. in a life science and the capability to develop a strong graduate research program in the application of NMR spectroscopy to molecular biology and drug design. Candidates should have teaching experience at the undergraduate and graduate levels. Applicants should send curriculum vitae, a proposed research program, and arrange to have three letters of recommendation sent to: Professor Donald T. Witiak, Chairman of the Faculty Search Committee, Department of Medicinal Chemistry, College of Pharmacy, The Ohio State University, Columbus, OH 43210. The review of the candidates will begin 1 September 1989. The Ohio State University is an Equal Opportunity Educator and Employer and specifically invites and encourages application from women and minorities.

Penn State Molecular Anthropological Geneticist

The Department of Anthropology seeks a human molecular geneticist for its Anthropological Genetics Laboratory. This tenure-track position, at the assistant to junior associate professor level, is ideally suited to a geneticist who has an interest in the application of molecular approaches to the study of human populations and the evolution of human biological variation. Exceptional living conditions are accompanied by excellent research facilities. The candidate has trained in ethnic and population genetics and in human/bone biology. Send curriculum vitae and names of three references to: Kenneth M. Weiss, Head, Department of Anthropology, 115 Molecular Biology Building, University Park, State College, PA 16802. Telephone: 814-865-2509. Apply by 15 September 1989. Penn State cannot remain committed to this position if it has been found. An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
NSERC INTERNATIONAL FELLOWSHIPS
1989-90

The Natural Sciences and Engineering Research Council of Canada (NSERC) has recently initiated a program of International Fellowships to provide foreign doctoral graduates with the opportunity to further their research training and experience. These awards are tenable in Canadian universities.

Eligibility: Applicants must have earned a doctoral degree in science or engineering from a recognized foreign university within the last five years. Equivalent research experience may also be acceptable. Candidates must not be Canadian citizens nor permanent residents of Canada.

Duration of Tenure: Appointments are made for one year; renewals for a second year are possible.

Stipend: Fellowships have an annual value of $28,000 plus a travel allowance.

Application Procedures: Applications must be submitted directly to the university department in which it is proposed to hold an award. Candidates must not apply to more than one university.

Date of Submission: The deadline for receipt of applications by the proposed host university is December 1, 1989.

For further information, contact the:

International Fellowships Office
Natural Sciences and Engineering Research Council
200 Kent Street
Ottawa, Ontario
CANADA
K1A 1H5
Telephone: (613) 992-9169

CANCER PREVENTION FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to attract individuals from a multiplicity of health science disciplines into the field of cancer prevention and control. The program provides for: Participation in the DCPC Cancer Prevention and Control Academic Course; Working at NCI directly with individual preceptors on cancer prevention and control projects; Brief assignments in cancer prevention and control programs at cancer centers; State Health Departments or other institutions. Funding permitting, ten Fellows will be accepted for up to three years of training, beginning July 1, 1990. Benefits include selected relocation and travel expenses, paid federal holidays, and particapitory health insurance.

ELIGIBILITY
1. M.D. or D.O. from a U.S., territorial, or Canadian Medical School. Foreign medical graduates must have current ECFMG/FMGEMS certification and one year residency in a training program approved by the Accreditation Council for Graduate Medical Education. OR
2. Ph.D., Dr. P.H. or other doctoral degree in a related discipline (epidemiology, biostatistics, biomedical, nutritional, public health or behavioral sciences). Foreign education must be comparable to that received in accredited U.S., territorial, or Canadian institutions.
3. U.S. citizenship or resident alien eligible for citizenship within four years.

For details and application packet send a POSTCARD with your name and home address to:

Douglas L. Weed, M.D., Ph.D.
Cancer Prevention Fellowship Program
Division of Cancer Prevention and Control
National Cancer Institute
Executive Plaza South, T-41
Bethesda, MD 20892

Further inquiries: Mrs. Barbara Redding, (301) 496-8640 or 496-8641.


An Equal Opportunity Employer M/F/H/V
U.S. Citizenship or Permanent Visa Required and meet other appropriate IRCA requirements.

Research Scientist
Thrombosis

Due to continued growth in our thrombosis programs, we are seeking a Principal Investigator with a Ph.D in Pharmacology, Physiology, Biochemistry or related area. Experience in any of the following areas would be desirable: platelet physiology, animal models of thrombosis, biochemistry of thrombosis. The Research Scientist will play a key role as a member of a multidisciplinary group with expertise in pharmacological, biochemical and molecular biological aspects of thrombosis and thrombolysis.

At Du Pont you'll find a stimulating scientific environment in a modern research facility located near Wilmington, DE. Our Mid-Atlantic location offers a wide range of academic, cultural and recreational activities. We provide excellent compensation, benefits and relocation assistance. Qualified candidates should send a curriculum vitae with three references to: Professional Staffing Section, Employee Relations Dept., Room X-51730, Du Pont Company, Wilmington, DE 19898.


**NEUROIMMUNOLOGIST**

**Candidates** are sought at the assistant or associate professor level, tenured or tenure-track, to undertake research using molecular approaches to immunology. Candidates are expected to establish a vigorous research program and participate in graduate student education. The closing date for receipt of inquiries is 1 August 1989. Please send curriculum vitae and the names of three references to: Search Committee, Department of Pathology and Laboratory Medicine, 709 Woodruff Memorial Building, Emory University School of Medicine, Atlanta, GA 30322. Emory University is an Equal Opportunity/Affirmative Action Employer.

**NEUROCHEMISTRY SPECIALIST**—Research teams seek candidates with an M.D., Ph.D. in chemistry or equivalent, and strong backgrounds in neurochemistry and demonstrated expertise in measurement of neurochemical and drugs in brain and biological fluids from animals and man. Expertise in HPLC, RIA, chromatographic techniques and the measurement of plasma levels of tacrine and physostigmine required. Send résumé to: W. H. Cottrell, Department of Neuroscience, State University of New York, University at Buffalo, Buffalo, NY 14214. An Equal Opportunity/Affirmative Action Employer.

**NEUROTRANSMISSION**

The Department of Neurological Surgery at the University of California, San Francisco (UCSF) and the Neurosurgical Unit of San Francisco General Hospital (SPGH) are seeking a qualified candidate to direct research efforts at the Laboratory for Neural Injury at the SPGH. The Laboratory was formed to study mechanisms of traumatic brain injury and focal cerebral ischemia and their treatment. Future investigations will include examination of mechanisms of progressive cellular injury in vivo and in vitro, and evaluate possible methods of cell protection. The candidate should have a background in basic and/or applied research in brain injury and be prepared to conduct independent research as well as direct the research efforts of a variety of medical students and neurosurgeons residents and fellows in this area. Existing grant support would be helpful but not essential for the position, but it is anticipated that the director will secure extramural support within several years. Interested applicants should send curriculum vitae to: Lawrence H. Plats, M.D., Department of Neurological Surgery, UCSF, San Francisco, CA 94143–0112. UCSF is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

**POSTDOCTORAL FELLOWSHIP**—Postdoctoral fellowship available immediately for an individual to undertake research with a project investigating the structure and regulation of the eukaryotic glycine dehydrogenase and its involvement in degenerative disorders. Potential candidates require a strong background in the field of biochemistry and/or bacterial genetics, and are expected to have expertise in molecular biology of eukaryotic glycine gene cloning. Salary on the scale of $20,000 to $25,000 per annum plus benefits commensurate with qualifications. Letters of reference and curriculum vitae must be sent to: Dr. Andrew Plautz, Department of Neurology, Box 1137, Mount Sinai School of Medicine, 1 Gustave L. Levy Place, New York, NY 10029–6574. Telephone: 212–241–7310. An Equal Opportunity Employer.

**POSTDOCTORAL FELLOWSHIP POSITION**

The University of Maryland, School of Medicine, invites applications for a postdoctoral position in the laboratory of Dr. David Hall, associate professor, to work on the immunology of neuroscience with the goal of understanding the fundamental role of the immune system in the development and progression of neurological disorders. Emphasis will be placed on the use of animal models to study immune system interactions with the nervous system. The candidate must have a Ph.D. or M.D. and experience in neuroscience and immunology. Send curriculum vitae and the names of three references to: Dr. David Hall, School of Medicine, Room 7703 Floyd Drive, Newark, DE 19711. An Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL FELLOWSHIP**

The Department of Surgery, University of California, San Francisco, is seeking applicants for a postdoctoral position with Dr. William J. sexy in the area of human nutrition. Appointments are available immediately and will extend through June 1989. The successful candidate will be expected to work with a multidisciplinary team of nutritionists and members of the faculty. The candidate is expected to carry out research related to human nutrition with an emphasis on the role of the gastrointestinal tract in nutrition. For information, please contact: Dr. William J. sexy, University of California, San Francisco. An Equal Opportunity/Affirmative Action Employer.

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ABBOTT LABORATORIES

Abbott Laboratories’ Diagnostics Division holds an undisputed leadership position in the development of medical diagnostics products. Our extensive technical resources create a superior environment for those who would like to make a significant personal and professional commitment.

BIOCHEMIST
Clinical Chemistry Assay Development/Support

Joining our Technical Product Development Group, the selected candidate will be responsible for technical troubleshooting and product and process development for our clinical chemistry product line. The position requires the ability to quickly evaluate and resolve technical problems relating to the manufacturing, development, testing and field performance of diagnostic tests. Excellent interpersonal skills are required as well as an M.S. and three years experience or Ph.D. in Biochemistry, Physiological Chemistry, or Life Sciences. Postdoctoral and supervisory experience are desired. Job #9RT.

BIOCHEMIST/IMMUNOCHEMIST
Cardiovascular/Endocrinology

We currently seek scientists to function as project managers for the development of Diagnostic Assays for physiological analytes. The preferred candidates will possess a Ph.D. in Biochemistry or Clinical Chemistry, postdoctoral or industrial experience is preferred. Research background should include protein biochemistry, immunology, ligand binding assays, and immunoadsay techniques. Familiarity with endocrinology and/or cardiovascular research is desirable. Job #93Y.

Located in an attractive suburban area approximately 30 miles north of Chicago, Abbott Laboratories provides a competitive compensation and benefits package including profit sharing. For consideration, please send your resume with salary history to: Keith Allen, Corporate Placement, Abbott Laboratories, 1 Abbott Park Road, Abbott Park, IL 60064.

(To facilitate handling your resume, please indicate Job # on your cover letter or resume.)

Abbott is an Affirmative Action Employer.

Meeting Bound?
Please bring your resume and look for us at the Protein Society and American Association for Clinical Chemistry Conventions later this summer.

ABBOTT LABORATORIES

Quality Health Care Worldwide
1888-1989

CHAIRMAN DEPARTMENT OF PHARMACOLOGY

CORNELL UNIVERSITY MEDICAL COLLEGE

CORNELL UNIVERSITY invites applications from qualified candidates for the position of Chairman of the Department of Pharmacology at CORNELL UNIVERSITY MEDICAL COLLEGE in New York City. The Chairman of Pharmacology will head an active department with research strength in Biochemical, Physiological and Clinical Pharmacology. In addition to research, the department is responsible for teaching of Pharmacology to medical and graduate students. Candidates must have a Ph.D or M.D. Degree, must be recognized for excellence in biomedical research and scientific leadership and have extensive experience in teaching at a medical school.

Applicants should submit a current C.V. which includes a list of publications to:
Erich E. Windhager, M.D. Chairman
Search Committee Department of Physiology

CORNELL UNIVERSITY MEDICAL COLLEGE

1300 York Avenue, New York, New York 10021

EEO/AA/M/F/H/V

ABBOTT LABORATORIES

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ABBOTT LABORATORIES

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POSITIONS OPEN

POSTDOCTORAL POSITION IN FETAL PHYSIOLOGY/ENDOCRINOLOGY

Available January 1990, position supported by USPHS-NIH Training Grant. Various aspects of fetal physiology and endocrinology. Roles during pregnancy and lactation include: hormone balance and regulation of the onset of labor, biochemical basis of fetal cardiovascular-endocrine interactions and responses to long-term hypoxia, and placental ion transport. Studies involve both in-vitro and in-vivo approaches. Applicants should have a strong background in endocrinology, physiology, cell biology, or biochemistry. Send curriculum vitae and three names of reference to: Dr. Lawrence D. Longo, Division of Perinatal Biology, Department of Physiology, School of Medicine, Loma Linda University, Loma Linda, CA 92350. Equal Opportunity Employer.

POSTDOCTORAL POSITION

MOLECULAR BASIS OF BACTERIAL PATHOGENESIS

A postdoctoral position is available to work on the molecular basis of the interaction of Legionella pneumophila with human phagocytic cells. L. pneumophila enters macrophages and survives by inhibiting phagosome-lysosome fusion and then replicates intracellularly and destroys the host cell. Research will focus on the regulation of Legionella genes during macrophage infection and the role of the interactions of the host cell that may be involved in the development of host defense responses. Applicants must have prior training in bacterial genetics. Salary will be commensurate with experience. Please send curriculum vitae, statement of research interests, and names of three references to: Dr. Howard A. Shuman, Department of Microbiology, College of Physicians & Surgeons, Columbia University, 701 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS IN MEDICINAL CHEMISTRY AND PHARMACOLOGY

Available 1 August 1989 for individuals interested in the study of (i) protein/nucleic acid interactions during DNA polymerization, and (ii) neuroepitope SAR and pharmacology. Experience in protein and nucleotide chemistry or cardiovascular pharmacology preferred but not required. Send curriculum vitae, statement of research interests, and names of three references to: Dr. M. B. Dougherty, Department of Medicinal Chemistry, University of Kansas, Lawrence, KS 66045-2506. Equal Opportunity Employer. Affirmative Action.

POSTDOCTORAL/RESEARCH ASSOCIATE

Position available to study the effects and the mechanisms of actions of neuroproteins and hormones using cell model systems or more traditional biology, pharmacology, and biochemistry approaches. Please send curriculum vitae, a brief statement of research interest and the names of three references to: Dr. Kazuhiko Tateno, Department of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Stanford, CA 94305.

POSTDOCTORAL RESEARCH ASSOCIATE

Positions available to study regulation of gene expression as applied to macrophage differentiation and maturation. Research focuses on the role of lymphokines and eicosanoids in macrophage activation. Molecular biology experience is desirable. Send curriculum vitae and statement of research interests to: Dr. Kent Erickson, Department of Human Anatomy, University of California, School of Medicine, Davis, CA 95616.

POSTDOCTORAL RESEARCH ASSOCIATE

Positions available for recent Ph.D. to work on several aspects of a new program on gene regulation: (i) cellular control of gene expression, proteins and functional consequence of phosphorylation of troponin subunits, (ii) regulation of leukemia and neuronal cell growth and differentiation, and (iii) development of activators and inhibitors of protein kinase C for biochemical, biophysical and preclinical pharmacology studies. Send application and curriculum vitae to: Dr. F. K. R. Cowen, Department of Biochemistry, Emory University School of Medicine, Atlanta, GA 30322.

Emory University is an Equal Opportunity Employer.

POSITIONS OPEN

TWO POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS are immediately available for: Position I: Study of a protein in winter cereals undergoing adaptation to low non-freezing temperature; the preferred applicant should have expertise with mRNA purification, in vitro translation and cell-free systems, and experience with changes in cell membrane receptors and metabolism during development and response to environmental stimuli for a variety of organisms. Experience in biochemical and/or molecular biology is necessary. Send curriculum vitae and three names of references to: Dr. Lawrence D. Longo, Division of Perinatal Biology, Department of Physiology, School of Medicine, Loma Linda University, Loma Linda, CA 92350. Equal Opportunity Employer.

PROFESSOR PHARMACOGNOSY

The University of Connecticut is seeking applications for an anticipated tenure-track position, available 1 September 1989 for a pharmacognost (natural products chemist) to be appointed at the rank of associate or full professor. Preference will be given to individuals possessing the qualifications for and a willingness to assume responsibility as the position holder for the Medicinal Chemistry and Pharmacognosy. Applicants should have a Ph.D. in pharmacognosy, organic chemistry or a cognate science, a strong background in natural product chemistry and undergraduate and graduate education, and an established program of research. An undergraduate degree in pharmacy is desirable, but not essential. Curriculum vitae, including graduate transcript, list of publications, summary of research supported by interest, and three letters of recommendation should be mailed directly to: Professor J. M. Edwards, Section of Medicinal Chemistry and Pharmacognosy, School of Pharmacy, U-92, University of Connecticut, 372 Fairfield Road, Storrs, CT 06269-2092. The University of Connecticut is an Affirmative Action/Equal Opportunity Employer M/F. (Search #92A84).

QUANTITATIVE ECOLOGIST

ASSISTANT PROFESSOR

UNIVERSITY OF WASHINGTON

The Center for Quantitative Science in Forestry, Fisheries and Wildlife and the School of Fisheries invite applications for a tenure-track position, 9-month teaching and research appointment, starting 1 October 1989. The applicant should be experienced in mathematic modeling of ecological and natural resource processes and have a strong interest in the use of quantitative methods in a biological subject and an earned doctorate in a mathematical subject, or vice versa.

Teaching will be three courses per year, primarily to graduate students. There is an opportunity for a Research Program in Quantitative Ecology and Resource Management. The person selected will also supervise graduate student research, but will have broad latitude in developing a research program.

Please send a letter stating academic interests, along with curriculum vitae, reprints of recent papers (up to three), and names, addresses, and telephone numbers of four references, by 15 August 1989 to:


RESEARCH SCIENTIST: Position for a Ph.D. in chemistry/crystallography to investigate the electronic characteristics of reaction intermediate and the use of X-ray techniques. A strong background in inorganic and analytic chemistry is desirable. Send resume to: Dr. George DeTitta, Medical Foundation of Buffalo, 73 High Street, Buffalo, NY 14203.

RESEARCH SCIENTIST: Position for a Ph.D. in chemistry/crystallography to investigate the electronic characteristics of reaction intermediates and the use of X-ray techniques. A strong background in inorganic and analytic chemistry is desirable. Send resume to: Dr. George DeTitta, Medical Foundation of Buffalo, 73 High Street, Buffalo, NY 14203.

POSITIONS OPEN

PROJECT LEADER/SCIENTIST POSITION.

The Forestry Sciences Laboratory in Delaware, Ohio, under the Chief of the Insect Management Research Unit, has an immediate opening for a strong, new scientist with broad background in biochemistry/molecular biology. Applications are invited to apply for the position, which will be at the GS-13 level. Interested applicants should send their name and address to: Ms. Carol Cowles, USDA-Forest Service, 359 Main Road, Delaware, OH 43015. When the position is formally announced, a copy of the announcement will be sent to you.

RESEARCH MANAGER

The Regional Primate Research Center of the University of Washington seeks a research manager to administer and participate in biomedical research projects centered at its Primate Field Station in Medical Lake, Washington. The Research Manager will work with research investigators at the University of Washington, the NIH and biotechnology firms to plan and develop protocols, budgets and agreements for projects of mutual interest, and will participate in the publication of findings. A doctoral degree in the biological, veterinary, or medical sciences with a minimum of 5 years of independent research and 2 years of supervisory experience in the biological, veterinary, biotechnology, or a related area required. Previous experience with biomedical research in private industry desirable. Experience with nonhuman primate models desirable, but not essential. Salary to $55,006 depending on experience. Please send curriculum vitae and names of references by 28 July 1989 to: Dr. Darrell Williams, Assistant Director Regional Primate Research Center Primate Field Station Medical Lake, WA 99022.

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

GEORGETOWN UNIVERSITY HOSPITAL WASHINGTON, D.C.

RESEARCH POSITION

DIRECTOR OF PEDIATRIC CRITICAL CARE RESEARCH PROGRAM

To lead bench and clinical research of immune mediated disease. The successful candidate must have a minimum of 5 years of experience in research in the field of immune mediators and cytokines. Must be Board certified in Pediatrics. Candi- date must have expertise in laboratory animal research, in techniques in cellular immunology including cytokotoxic assays and cytokine assays, and in the design and control of clinical research. Salary commensurate with qualifica- tions. Send curriculum vitae, reprints, and names of references to: Owen Renner, M.D., Professor and Chairman, Department of Pediatrics, Georgetown University Children's Medical Center, 3800 Reservior Road, N.W., Washington, DC 20007.

RESEARCH SCIENTIST POSITION

OTTAWA REGIONAL CANCER CENTRE

The Ottawa Regional Cancer Centre has an extensive cancer research program encompassing aspects of the cancer problem from bench to bedside. These include molecular biology, cell and animal models in vitro, and clinical trials. The position available is for a biophysicist to work in the area of cellular and animal biology. Cross appointments at two universities and a strong graduate student program provides a stimulating research and academic environment.

The candidate should have a Ph.D. degree or equivalent, experience in working with animal models, and a wide range of standard laboratory equipment and techniques. Assets are: Experience in molecular biology, good written and oral communication skills, publications and successful grantmanship, degree in physics. Please send resume to: Dr. G. P. Raaphorst, Ottawa Regional Cancer Centre, 190 Melrose Avenue, Ottawa, Ontario, Cana- dian J
canada.

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SCIENCE, VOL. 245
NATIONAL INSTITUTES OF HEALTH
MEDICAL STAFF FELLOWSHIP

The National Institute on Aging is seeking Medical Staff Fellows to develop independent research programs in vascular cell biology and diseases related to aging. Study will utilize the cell biology and molecular biology and have application to changes in blood vessels in aging and disease. The initial appointment is for a starting salary range of $28,000 to $52,825 depending on background and experience. Candidates must have a M.D. degree or its equivalent and be a U.S. citizen or permanent resident. Send curriculum vitae and statement of research interests to:

Dr. George R. Martin
Scientific Director, NIA
Gerontology Research Center
4940 Eastern Avenue
Baltimore, Maryland 21224

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

THE BIOGEN STORY STARTS WITH OUR STRATEGIC FOCUS ON HUMAN THERAPEUTICS. FROM AIDS AND ANTI-INFLAMMATION TO SELECTED CANCER MARKETS, WE CONTINUE TO ENJOY A LEADERSHIP POSITION IN THE FIELD OF BIOTECHNOLOGY. AMONG OUR LATEST BREAKTHROUGHS IS RECEPTIN™, AN AIDS THERAPY NOW IN HUMAN CLINICAL TRIALS. OUR WEST GERMAN AFFILATE IS MARKETING GAMMA INTERFERON FOR THE TREATMENT OF RHEUMATOID ARTHRITIS. IN FACT, GAMMA INTERFERON IS THE FOURTH MARKETED DRUG THAT BIOGEN HAS PLAYED A MAJOR ROLE IN DEVELOPING. WITH 11 YEARS IN THE INDUSTRY, BIOGEN CONTINUES TO DISPLAY THE MATURE AND INNOVATION NEEDED TO REACH ITS ULTIMATE GOAL OF BECOMING A FULLY INTEGRATED PHARMACEUTICAL COMPANY.

PROTEIN CHEMIST

As a member of our Process Development department, your responsibilities will include designing new processes for protein purification; developing large-scale purifications of pharmaceutical-grade proteins; investigating formulations; and conducting process validation.

A Ph.D. with emphasis in Protein Purification, Protein Chemistry, or Physical Chemistry of Protein is required. Post-Doctoral or industry experience is preferred, especially in the practical aspects of protein purification, refolding or characterization.

The outstanding BioGen benefits package includes fully-paid life, medical, dental and disability insurance. A 401k savings plan with a company-matching provision along with company-paid pension. 100 percent tuition reimbursement for as many as 4 courses a year. And 10 weeks' paid maternity leave. Plus a lot of little things that really add up - like our credit union, on-site aerobics and relocation assistance.

To apply for this immediate opening, send your resume to BioGen, Inc., Ref. SPC77, 14 Cambridge Center, Cambridge, MA 02142. BioGen is an Equal Opportunity Employer.

BIOLOGICAL OCEANOGRAPHY/ REMOTE SENSING

Faculty Position

The Institute of Marine Science, University of Alaska Fairbanks is seeking an outstanding scientist for a tenure track position in teaching and research in the area of biological oceanography with specialization in remote sensing techniques. The position will be filled at the Assistant Professor level or above depending on background and experience. The successful applicant will be expected to develop a vigorous research program in biological oceanography oriented toward polar waters based on remote sensing methods, as well as participate in teaching and guidance of graduate students. The University of Alaska Fairbanks is developing a major remote sensing facility that will offer new opportunities in the area of research. The Institute of Marine Science has a faculty of 24 with a graduate enrollment of 40-50 students. The faculty are involved in a variety of research programs emphasizing Arctic and high latitude seas.

Applicants should send a summary of research interests with a curriculum vitae and the names, addresses, and phone numbers of three references to:

C. Peter McRoy
Chair, Remote Sensing Search Committee
Office of the Director's Office
Institute of Marine Science
University of Alaska Fairbanks
Fairbanks, AK 99776-1080

Closing date for applications is 31 July 1989. Applications of finalists may be subject to public disclosure. Persons hired must comply with the new employment provisions of the Federal Immigration Reporting Act. The University of Alaska is an Equal Opportunity/Affirmative Action Employer and educational institution.

Positions in Applied Biotechnology

Pfizer, a U.S. based multinational pharmaceutical company, is seeking qualified scientists to expand a recently established Applied Biotechnology research group at its Central Research facility in Groton, Connecticut. We are looking for individuals with strong credentials in the areas of immunology and cellular receptors. You should have the desire and ability to develop novel assay technology and should be capable of applying this technology to the discovery of new therapeutic agents.

Your qualifications should include a PhD degree and at least two years postdoctoral training. Experience in one or more of the following areas, monoclonal antibodies, immunological detection techniques, pharmacology, molecular biology, or natural product screening is also desirable. You will be expected to establish and maintain collaborations with specific project teams in a number of therapeutic areas throughout our discovery research operations including sites in Europe and Japan.

There are also positions available at the BS or MS level. These individuals should have one to three years of experience in at least one of the above areas.

Pfizer offers a stimulating scientific research environment, a competitive compensation and benefits package along with relocation assistance to this southeastern Connecticut shoreline community. Please send a resume, a description of your research experience, and names of three references to: Jerry K. Larson, PhD, Assistant Director, Employee Resources, Research Personnel, Pfizer Central Research, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.
RESEARCH ASSOCIATE, Ph.D.—Molecular biology and biochemistry to study regulation of angiogenesis and in vivo, as well as upon aging. Applicants should have Ph.D. Send résumé, letter of experience, and three letters of reference to: Dr. Allen Taylor, Director, Laboratory for Nutritional Research, Human Nutrition Research Center on Aging at Tufts University, 711 Washington Street, Boston, MA 02111. Affirmative Action/Equal Opportunity Employer.

MARIER CURIE RESEARCH INSTITUTE STAFF POSITIONS IN CELL AND MOLECULAR BIOLOGY

Independent staff positions are available for scientists with at least 2 years of postdoctoral experience. Research interests can be within a broad range of topics including cell and molecular biology of development, differentiation, and/or oncogenesis. These posts are core-funded, and the laboratories are well-equipped. Positions are competitive and/or research oriented. Applicants must have a Ph.D. in a relevant field. Send curriculum vitae and the names of three references to: Dr. Eichberg, GANIC, 455 W. 13th Street, New York, NY 10014. Phone: 212-741-1717. MODERN BIOLOGY

A STAFF SCIENTIST position is available to study the virological and immunological mechanisms of HIV infection as well as vaccine development in chimpanzees. A Ph.D., M.D., or D.V.M. is required with appropriate research experience and laboratory management in the areas of HIV cellular immunity, virology, or molecular biology. The program is under the direction of Jorg W. Richberg, M.D., Ph.D. Annual salary ranges up to $40,000, dependent upon relative experience. Please send curriculum vitae with names, addresses, and telephone numbers of three references to arrive by August 1989. Address material to: Personnel Director (040), Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78224. Equal Opportunity Employer M/F.

STATISTICIAN—Insurance company has an outstanding opportunity in the Corporate Research Division. Seeking an individual to develop and implement quantitative analysis projects in areas such as risk selection and experimental design. Training at the Master’s or Ph.D. level, 2 to 5 years of experience in applied statistics or operations research, and strong technical and communications skills are required. Position offers challenging assignments in a highly professional environment, a competitive salary, and comprehensive benefits. To apply, please contact: Margaret Mackay, The Travelers Companies, Corporate Research Division—6FB, One Travelers Plaza, Hartford, CT 06183-7200, Telephone: 203-277-0259.

Rutgers University: The Camden chemistry faculty anticipates the appointment of a SYNTHETIC ORGANIC CHEMIST with a commitment to teaching and the potential for significant research accomplishment by 1 July 1990 to fill a vacancy created by retirement. Further information can be obtained from: S. A, Katz, Rutgers University, Camden, NJ 08102. Rutgers University is an Equal Opportunity/Affirmative Action Employer.

VASCULAR CELL BIOPHYSICS

Applications are invited for a tenure-track faculty position at the ASSISTANT PROFESSOR level in the Department of Biophysics. Candidates must have a Ph.D. in an appropriate discipline and at least 2 years of postdoctoral experience. The individual will be expected to establish a vigorous and independent research program in some aspect of vascular smooth muscle or endothelial cell biophysics/physiology which will complement and enhance state-of-the-art research in cell structure and mechanics, microvascular control and microcirculatory hemodynamics. Curriculum vitae, statement of research interests and names of three references should be sent to: Dr. Paul La Celle, Chairman Department of Biophysics University of Rochester Rochester, NY 14642 An Equal Opportunity Employer M/F.

SCIENTIST to join the research faculty of the Department of Anesthesiology at Duke University. Applicant must have minimum of 7 years of research experience. A Ph.D. degree in biochemistry, pharmacology, or related field is required. Applicant will be appointed in cardiovascular biochemistry, biophysics, computers, and statistics. Ph.D. degree in biochemistry/pharmacology preferred. Submit curriculum vitae, and salary expectations. Send to: Dr. J. E. C. Wright, Department of Anesthesiology, Duke University Medical Center, Box 299, Durham, NC 27710. Affirmative Action/Equal Opportunity Employer.

POLIO RESEARCH PROGRAM

Chimpanzees for polio research. Send curriculum vitae, resume, and names of three references. Send to: Dr. S. A. Katz, Rutgers University, 1800 East Northumberland Road, New Brunswick, NJ 08903-1813. Phone: 201-932-3242.

AMERICAN EPILEPSY SOCIETY AWARDS PROGRAM

The American Epilepsy Society announces a new annual Awards Program designed to encourage and reward clinical and basic science investigators whose research contributes importantly to understanding and conquering childhood-onset epilepsy. The American Epilepsy Society is the sole responsibility for selection of recipients. Nominations are due by 30 April 1989. Recipients will be notified by 30 May 1989. For further information, please contact: Dr. E. J. E. C. Wright, Department of Anesthesiology, Duke University Medical Center, Box 299, Durham, NC 27710. AFFIRMATIVE ACTION/AFFIRMATIVE ACTION

THE TORONTO HOSPITAL CANDIDATE PHARMACOLOGIST

Applications are invited for a one-year position in pharmacology in the pharmacology department at The Toronto Hospital. The candidate must have a PhD in biomedical sciences or related discipline, and experience in pharmacology. Salary is negotiable. Contact: Dr. R. J. C. Wright, Department of Anesthesiology, Duke University Medical Center, Box 299, Durham, NC 27710. AFFIRMATIVE ACTION/AFFIRMATIVE ACTION

TENURED OR TENURE-TRACK FACULTY POSITIONS

Tenured or tenure-track faculty positions are available in a newly established Program in Molecular Medicine. This interdisciplinary program currently includes nine faculty research programs in complementary fields of biomedical science and occupies 40,000 square feet of research space in a newly constructed building. The Medical Center is committed to recruiting and supporting scientists of the highest quality in an outstanding research environment. Research areas currently being expanded include:

1. Molecular virology/retroviruses
2. Molecular immunology
3. Tumor biology/oncogenes
4. Macromolecular structure/ray crystallography/NMR
5. Cellular physiology/signal transduction

There is particular interest in candidates using contemporary methodologies, e.g., transgenic animals. Applicants must have a Ph.D. or M.D. degree with demonstrated research productivity. A strong motivation toward creative research and ability to attract independent funding is essential. Faculty rank and salary are negotiable. Applicants must submit curriculum vitae, summary of research interests and names of three referes to: Dr. Michael P. Buz, Director, Search Committee, Program in Molecular Medicine, University of Massachusetts Medical School, 85 Lake Avenue North, Worcester, MA 01655. An Equal Opportunity/Affirmative Action Employer.

SYMPOSIUM

NONINVASIVE TECHNIQUES IN BIOLOGY AND MEDICINE

Lovealce Medical Foundation Annual Symposium, 14 to 15 September 1989. A symposium dedicated to magnetic resonance, video, acoustic and other biological imaging techniques. Continuing Medical Education Units will be offered. For details and registration information contact: Cathy Barbiza, Lovealce Medical Foundation, Research Division, 2425 Ridge Crest Drive, S.E., Albuquerque, NM 87108. Telephone: 505-262-7560.

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