POSITIONS OPEN

ASSISTANT PROFESSOR IN VIRAL PATHOGENESIS

The Department of Microbiology and Immunology is inviting applications for a position at the ASSISTANT PROFESSOR level. Successful applicants will have a Ph.D., M.D., or DVM degree, a minimum of two years of postdoctoral experience, and an excellent publication record with demonstrated expertise in the areas of pathogenesis of viral diseases including human immunodeficiency virus (HIV). The appointee will be expected to develop a research program in an area involving the molecular mechanisms of viral pathogenesis, such as gene function, immune response, or vaccine development. Successful candidates will be eligible for salary support and start-up funds during the initial two years. Applications are submitted by February 1, 1995. The University of Western Ontario is committed to excellence and offers one of the finest research, teaching, and living environments in Canada. Interested applicants should send a complete curriculum vitae, three letters of recommendation, and a statement of research interest and teaching experience to: Daniel S. Druckers, Department of Microbiology and Immunology, Western University, 100 Campus Drive, London, Ontario, N6A 5B7. Applications will be reviewed upon receipt.

BIOLOGY: DEVELOPMENTAL BIOLOGIST/ASSISTANT PROFESSOR

Starting date: fall 1995. Qualifications: Ph.D. and postdoctoral experience required. Responsibilities: Teaching an upper-level course in histology and development and conducting research on human anatomy and physiology and cell biology; development of an externally funded research program in the area of developmental biology. Application Deadline: December 15, 1994. To Apply: Submit curriculum vitae, statements of research interests, graduate and undergraduate transcripts, and three letters of recommendation to: Dr. Timothy Johnston, Chair, Department of Biological Sciences, University of Western Ontario, London, Ontario, N6A 5B7. The University of Western Ontario is committed to employment equity and encourages applications from qualified individuals, including women, members of visible minorities, and persons with disabilities.

WORCESTER POLYTECHNIC INSTITUTE

BIOCHEMISTRY—FALL 1995

The Department of Chemistry anticipates making a tenure-track appointment in biochemistry at the ASSISTANT PROFESSOR level. Applicants are invited from candidates in all areas of biochemistry. Applicants should have a Ph.D. degree and be expected to develop strong research and teaching programs at the undergraduate and graduate levels. To apply, submit complete résumé, including research plans and teaching interests, and three letters of recommendation to: Dr. James W. Pavlik, Department of Chemistry, Worcester Polytechnic Institute, Worcester, MA 01609. Worcester Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer and encourages all qualified persons to apply.

FACULTY POSITION

The School of Biology at Georgia Institute of Technology invites applications for a position at ASSISTANT or ASSOCIATE PROFESSOR. Successful applicants are expected to establish independent research programs in areas related to structural biology, and be committed to teaching in the B.S. and Ph.D. programs. The major area of research interest is molecular genetics, molecular biology, or molecular evolution, or cell signal transduction in an eukaryotic organism. Curriculum vitae, research plans, and addresses should be submitted by December 31, 1994, to: Faculty Search Committee, c/o Dr. Roger M. Wartell, School of Biology, Georgia Institute of Technology, Atlanta, GA 30332. Georgia Tech is an Equal Opportunity/Equal Access Employer.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR OF MEDICINAL CHEMISTRY/BIOCHEMISTRY

The Medicinal Chemistry/Biochemistry Division of the School of Pharmacy, University of Wisconsin-Madison, is accepting applications for a tenure-track position to begin between July 1 and August 1, 1995. The position is likely to be filled at the ASSISTANT PROFESSOR level, but outstanding candidates at the ASSOCIATE PROFESSOR level will be considered. A Ph.D. degree in biochemistry, chemistry or medicinal chemistry, postdoctoral research experience, and outstanding research potential are required. Applicants would establish an independent research program in one of the following areas—modulation of receptor or gene function by small molecules with a potential for development into new types of drug therapy; structure/function studies of drug receptors or other macromolecular targets aimed at site-directed mutagenesis, molecular modeling and crystallography or spectral biology. The position involves the use of novel macromolecular ligands with potential for use in approaches to gene therapy; novel approaches to combating drug resistance—preference given to outstanding candidates will be considered. Teaching duties will be in the current undergraduate courses offered by the divisional faculty and in a graduate course to be developed by the new faculty member.

Applications will be accepted until December 1, 1994. Please send a cover letter including a statement of research and teaching interests, curriculum vitae, publications list, three reprints and the names, addresses, and telephone numbers of three references to: Prof. C. R. Hutchinson, Search Committee, School of Pharmacy, University of Wisconsin—Madison, 850 North Charter Street, Madison, WI 53706. Telephone: 608-262-7582; chrutchi@facstaff.wisc.edu. Unless confidentiality is requested, the names of applicants submitted by January 15, 1995, will be released to the finalists. Candidates will be notified of the final decision.

EVOLUTIONARY BIOLOGIST

Grinnell College

Grinnell College invites applications for a tenure-track appointment beginning August 1995 in EVOLUTIONARY BIOLOGY. The ASSISTANT PROFESSOR position is preferred; however, the ASSOCIATE PROFESSOR position is also available. The College seeks candidates with expertise in evolutionary biology and a commitment to teaching undergraduate courses and directing research. Teaching responsibilities include teaching an entry-level course in evolutionary biology and a graduate-level course in population genetics. Applicants must have a Ph.D. degree in evolutionary biology or a closely related field. The successful candidate will be expected to be available for the fall 1995 start of the college’s new academic year and expected to install an active program of undergraduate research and teaching. The College is particularly interested in finding candidates whose research interests could involve teaching about the primarily rural student population of the college. Applications for the position are being considered and should be submitted by December 1, 1994. For further information regarding the position, please contact: Professor John Logue, Chair, Department of Biology, Grinnell College, Grinnell, IA 50112-0806. The College is an Affirmative Action/Equal Opportunity Employer and especially seeks women and minority candidates.

COMPUTATIONAL BIOLOGIST

ASSISTANT PROFESSOR, RESEARCH TRACK

The Vermont Cancer Center and the Department of Microbiology and Molecular Genetics at the University of Vermont invites applications for a research track position at the ASSISTANT PROFESSOR level to direct a computer-focused research program. The successful candidate is expected to spend half-time interacting with Vermont Cancer Center colleagues facilitating core use and half-time developing an independent research program. Applicants must have a Ph.D. degree in mathematics, computer science, chemistry, or a closely related field. Applicants should have expertise in the areas of biochemistry and postdoctoral experience. A strong background in molecular biology is required. Knowledge of chemistry and molecular biology is desirable. The successful candidate must have a Ph.D. degree in biochemistry or computer science, and a demonstrated research interest or expertise in the area of molecular biology or computational biology. The successful candidate will be expected to develop an independent research program in one of the following areas: molecular biology, computational biology, or bioinformatics. Applications are being considered and should be submitted by December 1, 1994. For further information regarding the position, contact: Dr. Susan Wallace, Director, VCC DNA Damage and Repair Program, Chair, Department of Microbiology and Molecular Genetics, University of Vermont, P.O. Box 05405. Applications will be accepted until the position is filled. The University of Vermont is an Affirmative Action/Equal Opportunity Employer.
**CELLULAR/MOLECULAR IMMUNOLOGY**

The University of Calgary Faculty of Medicine invites applications for a full-time academic position at the Assistant Professor level or higher for research in cellular or molecular immunology. Qualifications include a PhD, MD or equivalent, and interest and experience in immunology at the cellular or molecular level, particularly related to autoimmune pathogenesis of Type 1 Diabetes. Opportunities will be available for graduate and medical school teaching. Rank and salary commensurate with qualifications and experience.

The successful candidate must compete successfully for salary and establishment grant support from the Alberta Heritage Foundation for Medical Research or the Medical Research Council, and will have 75% of time protected for research.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity.

Please submit a curriculum vitae and statement of research and goals, and arrange for three letters of reference to be sent directly by December 31, 1994, to:

Dr. Ji-Won Yoon
Professor and Director
Julia McFarlane Diabetes Research Centre
The University of Calgary
3330 Hospital Drive N.W.
Calgary, AB, Canada T2N 4N1

**POSTDOCTORAL FELLOWSHIPS IN MOLECULAR AND CELL BIOLOGY AT THE NIH**

Postdoctoral Fellowships are available in the Genetics and Biochemistry Branch, NIDDK, NIH. The Branch is similar to a small academic department and has excellent laboratory facilities. The Intramural program of the NIH offers an outstanding research environment. The Branch is located on the main intramural campus of the NIH in Bethesda, Maryland, a 20 minute ride from Washington, D.C. Applications are invited from individuals of the highest caliber with Ph.D., M.D., or M.D.,Ph.D. degrees. Physicians may participate in either the NIH Interinstitute Endocrine or the NIH Interinstitute Medical Genetics Training Programs. Current research interests of the staff with positions available include:

- The targeting of proteins to the secretory pathway in both eukaryotes and prokaryotes is being studied using a combination of in vivo and in vitro approaches. Current projects focus on the mechanisms of signal sequence recognition, the regulation of protein targeting by a new family of GTPases, and the function of recently discovered prokaryotic homologs of components of the eukaryotic sorting machinery (Harris Bernstein).

- Biochemistry and molecular biology of homologous recombination in eukaryotes and prokaryotes, the structure and function of recombination proteins and recombination enzymes for gene mapping and cloning (e.g. RARE) and gene targeting in mammalian cells, gene rearrangements in eukaryotes and novel approaches to gene therapy (Dan Camerini-Otero).

- The role of DNA structure in homologous recombination is being investigated. We are studying the kinetics of DNA branch migration and the role of recombination proteins in promoting branch migration. We are also interested in characterizing other enzymes involved in recombination and repair in eukaryotes (Peggy Hsieh).

- Molecular basis of mechanisms involved in hormonal and developmental control of gene expression. The immediate focus is on the transacting factors of the steroid/thyroid hormone receptor gene superfamily. Future work will use homologous recombination to target genes of regulatory nuclear proteins (Vera Nikodem).

- Current projects involve gene targeting by homologous recombination to generate mouse models of lysosomal storage diseases, development of gene therapy for treatment of neurodegenerative disorders, and investigation of lysosomal enzyme structure and function (Rick Proia).

- The functional role of a family of neural-specific transcription factors, class III POU domain genes, is being investigated using a combination of molecular and embryological approaches in vertebrate embryos. The regulation of anterior-posterior patterning in the early vertebrate embryo is also under investigation (Sheryl Sato).

Interested candidates should send a letter stating their interests, their curriculum vitae and list of publications, and the names and addresses of three references to:

Dr. R. Daniel Camerini-Otero
Chief, Genetics and Biochemistry Branch
Building 10, Room 9D-15
National Institutes of Health
Bethesda, Maryland 20892
Telephone: 301-496-2710


**POSITIONS OPEN**

**ASSISTANT PROFESSOR OF ZOOLOGY**

The Department of Biological Sciences at the University of Idaho invites applications for a nine-month, tenure-track ASSISTANT PROFESSOR position with specialization in the biology of higher vertebrates (birds and/or mammals). The successful candidate will be expected to establish an externally funded research program in an area of higher vertebrate biology and to demonstrate potential for excellence in teaching. Teaching responsibilities will include instruction in general zoology plus instruction in the biology of higher vertebrates. Send curriculum vitae; statement of teaching philosophy and goals; statement of research goals and expectations; and the names, addresses, and telephone numbers of at least three references to: A. W. Rourke, Department of Biological Sciences, University of Idaho, Moscow, ID 83844-3051. Search and selection procedures will be closed when a sufficient number of qualified candidates has been identified, but not earlier than December 21, 1994.

To enrich education through diversity, the University of Idaho is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR—MOLECULAR PHARMACOLOGY/TOXICOLOGY**

A tenure-track faculty position in the Department of Pharmacology and Toxicology at the University of Kansas for an individual with training and postdoctoral experience in the areas of Molecular Pharmacology, Toxicology, and Developmental Neurobiology, Genetics, or Virology is available starting in August 1995. We are looking for an individual who will establish a strong research program, interact well with research and graduate students and faculty, and be committed to Equal Opportunity through Affirmative Action in employment and is especially eager to identify minority persons and women with appropriate qualifications.

**POPLATION BIOLOGIST**

Tenure-track ASSISTANT PROFESSOR position to begin 16 August 1995. Both plant and animal population biologists are encouraged to apply. The successful candidate is expected to develop a research program and direction of graduate students is expected. Will instruct a population biology course and participate in team-taught introductory biology. Ph.D. required. Send curriculum vitae, three references, a statement of teaching interests, and a description of research interests to Dr. T. W. Donald, Department of Biological Sciences, Wisc. State University-Stout, Menomonie, WI 54751.

**IMMUNOLOGIST**

The Department of Microbiology and the Basic Medical Sciences Program at Washington State University invites applications for a nine-month, tenure-track faculty position at the ASSISTANT PROFESSOR level. Candidates must have postdoctoral training and be expected to have expertise in immunology preferably at the molecular level as it pertains to infectious disease. Qualifications should be documented in published papers in refereed journals and by other evidence of accomplishments. The successful candidate will also be expected to establish an active, externally funded, research program. The position also includes teaching graduate student teaching in the area of immunology. Send curriculum vitae, statement of research interests and professional accomplishments, and at least three letters of reference to: Dr. Nancy S. Magnuson, Search Committee Chairman, Department of Microbiology, Washington State University, Pullman, WA 99164-4233. Review of applications begins December 15, 1994, and continues until the position is filled. Washington State University is an Equal Opportunity/Affirmative Action Employer. Protected group members are encouraged to apply.

**ASSISTANT PROFESSOR OF BIOLOGY**

Randolph-Macon Woman’s College, a selective liberal arts college with historic strengths in the sciences, seeks an ASSISTANT PROFESSOR (tenure-track) for the fall of 1995, beginning August 1995. Applicants must have completed a Ph.D. in biological sciences, preferably in molecular genetics, molecular biology, or molecular cell biology. Our students come from a variety of academic backgrounds and have a strong faculty interest in developing and implementing innovative teaching approaches. Applicants should have a strong commitment to student teaching and to the development of an independent, fundable research program, and to service responsibilities as assigned. Applicants should have their curriculum vitae, a brief statement of research interests and a statement of teaching experience and philosophy and goals. The position is a nine-month, full-time appointment with the possibility of renewal. The University participates in the AAUP collective bargaining agreement and is an Equal Opportunity/Affirmative Action Employer.

To apply, send letter of application, a brief description of teaching interests and a statement of research interests to: Dr. John E. Wilson, Chair, Department of Biology, Box 111, Randolph-Macon Woman’s College, Lynchburg, VA 24503. Equal Opportunity Employer.
Program Officer
Biology

The Board on Biology (BB) of the National Research Council (NRC) is seeking candidates for the position of Program Officer. Candidates should have a Ph.D. or equivalent in the biodiversity and/or biomedical sciences, at least one additional year of relevant experience, and good current understanding of biology. Will manage a study on the value of biodiversity and its implications for natural resource management, as well as other projects in biodiversity, molecular biology, and the health of the biological sciences. The position requires demonstrated understanding of the utilization of scientific information in decision-making and effective communication and organizational skills. Please send resume in confidence to: NRC/BB (EF), Position #452.103, 2101 Constitution Avenue, NW, Washington, DC 20418. EOE.

RESEARCH SCIENTISTS

We are a well-funded, independent, not-for-profit biomedical research institute. Our 30,000 square feet of modern, state-of-the-art facilities are located on the North Shore University Hospital campus on Long Island, close to New York City and Cold Spring Harbor labs. We are seeking highly motivated, creative professionals to join our teams researching the following areas:

IMMUNOLOGY and/or AIDS-Post-Doctoral Position
Study the biochemistry of T-cell activation in normal and HIV-1 infected cells. Requires expertise in immunology, molecular biology, and/or protein biochemistry.

ACTINOMYCETES BIOLOGY
Post-Doctoral (1) & Research Assistant Positions (2)
Study the biosynthesis of novel polyketides in actinomycetes. Requires expertise in molecular biology and actinomycetes biology.

CYTOKINE BIOLOGY-Post-Doctoral Positions (3)
Study the biochemistry and biology of macrophage-derived cytokines which are involved in inflammation and neoplastic disease. Requires expertise in biochemistry and cell biology.

We can offer you an excellent salary and benefits program, commensurate with experience and education. For confidential consideration, we invite you to forward a “c.v.”, indicating area of interest and three references, to: Human Resources Dept. S1014, The Picower Institute, 350 Community Drive, Manhasset, New York 11030. We are an equal opportunity employer m/w/v.

Scientific Opportunities
at Bio-Rad Laboratories

As a pioneer in the clinical testing of thyroid, B-12 and folates more than a decade ago, Bio-Rad Laboratories is helping to solve today’s clinical laboratory problems with innovative tests for AIDS, diabetes, hemoglobin variants and drugs of abuse.

Research Scientist: Our continued growth has created the need for creative scientists with experience in the commercial development of non-isotopic immunoassays. Successful candidates will have a BS, MS or PhD in the Life Sciences or equivalent discipline and demonstrated success in the development of immunochemical assays. Dept. 476a.

Assay Development Scientist: You will help develop new assays for manufacturing on our new automated blood chemistry analyzer. This position requires a BS/MS in Life Science with 3+ years experience in assay development. FDA, GMP and ISO9000 experience in a medical device environment is considered a real plus. Dept. 476b.

Process Improvement Scientist: You will help continuously improve our Western Blot manufacturing process. This position requires a BS/MS in Life Science with 3+ years experience in Western Blot manufacturing and process control. FDA, GMP and ISO9000 experience in a medical device environment is considered a real plus. Dept. 476c.

To apply, please send your resume to: Bio-Rad Laboratories, 4000 Alfred Nobel Dr., please indicate appropriate dept. #, Hercules, CA 94547. An Equal Opportunity Employer, M/F/D/V.
POSITIONS OPEN

ASSISTANT PROFESSOR, tenure-track position starting September 1995 in a multidisciplinary department. We seek an ANIMAL PHYSIOLOGIST with postdoctoral experience and a specialty in ENDOCRINOLOGY. The candidate should utilize molecular biological techniques to study endocrine/developmental events at the cellular level. Possible areas of research include signal transduction, membrane phenomen, or cell cycle regulation. The successful applicant is expected to direct externally funded research program, teach undergraduate courses in physiology and endocrinology, and participate in the graduate program. Submit curriculum vitae, statement of research and teaching interests, and names of three references to: Dr. R. G. Van Buskirk, Department of Biological Sciences, Binghamton University, Binghamton, NY 13902 on or before December 15, 1994. Binghamton University is one of the four doctoral-granting campuses of the State University of New York system and is dedicated to growth in research and graduate education. Strongly committed to Affirmative Action. Recruitment conducted without regard to race, color, sex, religion, age, disability, marital status, sexual orientation or national origin.

MICROBIOLOGIST

The Biology Department at Holy Cross College seeks to fill a tenure-track position for a broadly trained microbiologist at the rank of ASSISTANT PROFESSOR beginning September 1995. The successful candidate must hold a Ph.D. at the time of appointment and will be expected to develop an active research program involving undergraduates. Experience in this area must be compatible with the environment of a liberal arts college and should be in one or more of the following areas: bacterial physiology, microbial ecology, or bacterial systematics and evolution. Teaching responsibilities include: introductory biology, course in microbiology, participation in introductory biology, and development of a course for non-science majors. Holy Cross is a nationally ranked, highly selective liberal arts college with an enrollment of 2700 students. It values excellence in both undergraduate teaching and research. Applications, consisting of a curriculum vitae, statements of teaching and research interests, copies of publications, copies of graduate and undergraduate transcripts, and letters from four references, should be submitted by December 1, 1994, to: Dr. Mary Marston, Search Committee Chair, Biology Department, College of the Holy Cross, Worcester, MA 01610. We encourage applications from underrepresented groups, including minorities, women, and people with disabilities. Holy Cross is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT or ASSOCIATE PROFESSORIAL LEVEL FACULTY APPOINTMENTS available in Biochemistry, Histology/Neuroanatomy (dual expertise). Primary responsibilities: maximum 25% of time teaching in the department, and 75% of time to medical student clinical rotations. Send curriculum vitae and a list of publications, names of two references to: Dr. Arnold L. Nagler, Dean, PCME, New York College of Osteopathic Medicine, Old Westbury, NY 11568. An Affirmative Action/Equal Employment Opportunity Employer.

GROSS ANATOMY ASSISTANT PROFESSORS

The Department of Anatomical Sciences, University at Stony Brook, seeks to fill two faculty positions at the level of ASSISTANT PROFESSOR. The major teaching responsibility will be as instructor of human gross anatomy to students in health sciences professional programs. Each faculty position will pursue independent research in functional morphology, musculoskeletal biology, evolution, and related areas. The successful candidates must have a Ph.D., or Ph.D. equivalent, in relevant discipline. Applicants should have a minimum of two years postdoctoral training in molecular biology or in a related discipline. Candidates must have a Ph.D. or equivalent, in relevant discipline, and be committed to establishing a strong independent research program. Applications must be received by December 1, 1994. An Affirmative Action/AEO Employment Opportunity Employer.

POSITIONS OPEN

TENURE-TRACK BIOLOGIST

UNIVERSITY OF SOUTHERN CALIFORNIA

Applications are invited for a position at the ASSOCIATE, or full PROFESSOR level in the Department of Biological Sciences. We seek a broadly trained biological researcher whose work includes significant aspects of evolution or population genetics. The department has graduate programs in cell biology, developmental biology, neurobiology, and the successful candidate will be expected to participate actively in one or more of these programs. New faculty members are expected to be primary instructors in an undergraduate course in evolution and population genetics, and also to participate in other teaching. Primary evaluation criteria are excellence in both research and teaching. Applicants should have a Ph.D. or equivalent and demonstrated potential for excellence in research and teaching. Applicants must arrange to have three letters of recommendation sent to: Dr. Carol Erickson, Chair, Search Committee, Department of Biological Sciences, University of Southern California, Los Angeles, CA 90089-0371. The department will start evaluating applications on 1 November 1994, and will continue to accept them until a suitable candidate is found. Women and members of minority groups are particularly encouraged to apply. USC is an Affirmative Action Employer.

UNIVERSITY OF WISCONSIN-PARKSIDE

Assistant Professor of Biological Sciences

Developmental Biology or Molecular-Cellular Immunology

TENURE-TRACK POSITION available. Person seeking a balance of research and teaching responsibilities. The Department of Biological Sciences is seeking a faculty member at the assistant professor level, whose work involves aspects of developmental biology or molecular/cellular immunology. Applicants must have received a Ph.D. and preferably have postdoctoral experience in research. The position includes teaching responsibilities in various biology courses, including introductory biology and cell biology. Applications must be received no later than December 1, 1994. Send letter of application, curriculum vitae, a description of research interests and planned research, and statements of teaching interests and experience to: Dr. Alan J. Miceli, Chairman, Department of Biological Sciences, University of Wisconsin-Parkside, Box 1900, racine, WI 53402. An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

DEVELOPMENTAL GENETICIST

ASSISTANT PROFESSOR OF MOLECULAR AND CELLULAR BIOLOGY—The Division of Biological Sciences, University of California, Davis, invites applications and nominations for an ASSISTANT PROFESSOR of Molecular and Cellular Biology. This is a tenure-track position in the Section of Molecular and Cellular Biology of the Division of Biological Sciences. The successful candidate must have a Ph.D. (or equivalent) and have an outstanding record of achievement in research. The candidate will be expected to develop a strong research program in development genetics using genetically amenable higher eukaryotic model systems. This position reflects the Section’s ongoing commitment to building strength in related graduate and undergraduate programs. Candidates should submit a curriculum vitae, a statement of their current and proposed research, and a statement of teaching interest and current or intended research and arrange for three letters of recommendation to be sent to: Carol Erickson, Chair, Search Committee, Section of Molecular and Cellular Biology, Division of Biological Sciences, University of California, Davis, CA 95616-8519. Closing date: open until filled but all application materials including letters of recommendation must be submitted on or before December 1, 1994, to be assured full consideration. The University of California does not discriminate on the basis of race, color, national origin, religion, sex, disability, age or sexual orientation. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORSHIP IN MEXICO

The CENTER OF BIOTECHNOLOGY (CB) at the Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Campus Monterrey in Mexico, invites highly motivated individuals for the tenure-track position of ASSISTANT PROFESSOR. The CB aims to develop the areas of agrobiotechnology, food technology, and environmental biotechnology. Priority areas are: Biotechnology and microorganisms, bioprocess technology, and biochemical engineering. Applications to reinforce the ongoing research areas of biological waste treatment, cell culture technology, and biotechnological processes are encouraged. The ITESM offers very competitive salaries and benefits. Send résumé, research plans, teaching interests, and three references to: Dr. Alfredo Jacobo-Molina, ITESM, Director del Centro de Tecnociencias, Sukursal de Correos “J” CP 64849, Monterrey, N.L., Mexico. PAX: 528-328-4136; Email: jacobob@campus.ityesm.mx.

UNIVERSITY OF CALIFORNIA, SAN DIEGO Department of Biology

Applications are invited for a tenure-track faculty position beginning fall 1995, contingent upon available funding. Minimum qualifications: Ph.D. or equivalent in Biology or a related field with a strong research program, university teaching experience, or demonstrated potential. The successful candidate will be expected to establish a vigorous externally funded research program and contribute to teaching at the graduate and undergraduate levels. The Division of Biology at the University of California, San Diego, is a diverse and collaborative environment, and the successful candidate will be expected to develop and maintain a productive interdisciplinary research program. The candidate will be expected to participate in the joint University-wide graduate program in Molecular Cell and Developmental Biology. Applications should be submitted on or before December 15, 1994, to: The University of California is an Equal Opportunity/Affirmative Action/EA/ICRA Employer. Women and minorities are encouraged to apply.
All qualified groups or individuals are invited to submit applications for research grants to undertake basic or applied medical and veterinary research in the field of:

- New vaccines or new methods of vaccination within the framework of infectious and transmissible diseases aiming to benefit both human beings and animals.

Particular attention will be given to projects displaying positive impact on the environment and developing countries, clear and economically acceptable objectives, and collaboration between Veterinary and Human Research.

A minimum of two Grants of $ U.S. 25,000 each will be awarded for one year, beginning in June 1995.

The deadline for submission of your proposal is January 31, 1995.

Orientation Committee
Fondation Pierre Richard Dick - Virbac
B.P. 305, 06514 CARROS Cedex, FRANCE
Tel: (33) 92 08 72 49 Fax: (33) 92 08 72 82

Please contact us quickly for an application form

Assistant Professor
Department of Biological Sciences
Dartmouth College

The Department of Biological Sciences at Dartmouth College seeks applicants for a tenure track position at the level of Assistant Professor. Candidates should have strong training in biochemistry and expect to teach undergraduate biochemistry as well as a graduate level course in their area of research specialization. The successful candidate will join a group of faculty whose research currently involves cellular, molecular, and biochemical approaches to studying a number of model systems including Arabidopsis, C. elegans, Drosophila, sea urchins, squid and yeast. We expect the successful candidate to establish and supervise an independent research program that will attract extramural funding and provide research training for graduate and undergraduate students. Candidates should have a Ph.D. (or equivalent) and at least two years of relevant postdoctoral experience.

Please send a current curriculum vitae, a statement of research and teaching interests, and arrange to have three letters of reference sent under separate cover to:

Biochemistry Search Committee
Department of Biological Sciences
Dartmouth College
6044 Gilman Hall
Hanover, NH 03755-3576

Although materials can be submitted by FAX (603-646-1347) if circumstances warrant, please note that the original documents are ultimately required. Application review will begin on 15 November 1994. Women and members of minority groups are strongly encouraged to apply. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.

Northwestern University
Department of Neurobiology and Physiology
and Institute for Neuroscience

Three tenure-track faculty positions for outstanding neuroscientists in the areas of Molecular Biology, Genetics, Cellular and/or Systems Neurobiology are now open in the Department of Neurobiology and Physiology (NBP), with joint appointments in the intercampus Northwestern University Institute for Neuroscience (NUIN). These new positions represent an increased commitment by the University to the neurosciences within both the NBP Department and NUIN. We are particularly interested in hiring young neuroscientists at the Assistant Professor level who have had postdoctoral experience, although senior candidates will also be considered. The salary level is open. New faculty are expected to complement the strengths of the Department in the areas of circadian biology, endocrinology, molecular and cell biology, neurogenetics, and sensory neurobiology. In addition to maintaining a strong independent research program, faculty are expected to participate in the teaching of undergraduate and graduate students. The Department is located in an attractive setting on the main campus along the shore of Lake Michigan. Applicants should send a curriculum vitae, a statement of research interests, and have at least three letters of reference sent to the address below. Applications should be received by December 1, 1994, to receive full consideration, although the searches will proceed until the positions are filled. Evaluation will begin immediately and hiring may start as soon as spring 1995. Women and members of minority groups are especially encouraged to apply. Northwestern University is an AA/EEO Employer. Please address the applications to Chair, Neurobiology and Physiology Search Committee, Northwestern University, 2153 N. Campus Drive, Evanston, IL 60208-3520.

Postdoctoral Scientist
(Full-time Temporary)

SmithKline Beecham Animal Health has an immediate opening for a Postdoctoral Scientist in the Anti-Infective Assessment Department at our West Chester facility. This position will last for 12 to 24 months, offering paid vacation and personal holidays, plus full health benefits. The selected candidate will carry out cell-based assays and animal studies to develop new immunomodulating drugs for veterinary application.

The qualified candidate will have a Ph.D. in biochemistry, immunology or related field, with experience in cell culture techniques and knowledge in molecular biology. Ability to work both independently and as part of a team is a must, in addition to having good computer, communication and interpersonal skills.

Please send your resume and salary requirements to: Human Resources (Box MM), SmithKline Beecham Animal Health, 1600 Paoli Pike, West Chester, PA 19380. No phone calls or faxes please. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham
Animal Health
UNIVERSITY OF CALIFORNIA, SANTA CRUZ
Department of Biology

Applications are invited for two tenure-track faculty positions beginning fall 1995, contingent upon available funding. Minimum qualifications: Ph.D. or equivalent in Biology or a related field, postdoctoral research experience, university teaching experience, or demonstrated potential. The successful candidate will be expected to mount a vigorous externally funded research program and contribute to teaching at the graduate and undergraduate levels.

ASSISTANT PROFESSOR in Cell Biology, No. 0501: Applicants who use molecular, genetic or biochemical approaches to investigate fundamental problems in cell biology are encouraged to apply.

ASSISTANT PROFESSOR in Molecular Genetics of Development, No. 0487: We are seeking an individual with expertise in molecular biology of development. We especially encourage applications using molecular genetic approaches.

Applications will be accepted until the positions are filled.

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

ASSISTANT PROFESSOR, Neuropharmacology/Neurotoxicology

The Department of Pharmaceutical Sciences, Toxicology and Therapeutics at the University of Kentucky Medical Center invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The successful candidate will be given a portion of a new research program in molecular neuropharmacology/therapeutics. These opportunities are to contribute to the teaching of graduate and medical students. The ideal candidate will have had training in pharmacology, neuroscience and molecular biology. The curriculum vitae and the names of three references should be sent to: Dr. J. Encarnation, Chair, Department of Pharmaceutical Sciences, Toxicology and Therapeutics, University of Kentucky Medical Center, Lexington, KY 40536-1286.

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

PLANT SYSTEMS BIST
Duke University

The Department of Botany invites applications and nominations for a tenure-track position at the ASSISTANT PROFESSOR level to begin September 1995. Appointment at the ASSOCIATE PROFESSOR level may be possible for candidates with significant expertise in a particular group or systems approach, together with experience in modern approaches to plant systems. Send curriculum vitae, a statement of teaching and research interests, and names of three references to: Professor Janis Antonovics, Chair of the Search Committee, Department of Botany, Duke University, Box 90538, Durham, NC 27708-0538. Applications received by November 15, 1995, will be guaranteed consideration. Duke University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN PLANT BIOLOGY

The Department of Biological Sciences, University of Maryland Baltimore County (UMBC) is seeking an outstanding scientist interested in the eye and vision. These scientists should be committed to their own independent research programs. Successful applicants will be expected to participate fully in the graduate program and teach a basic ophthalmology or vision science course.

Assistant Professor (Tenure-Track)

Salary: Commensurate with experience. Applications are invited for a faculty position at the assistant professor level to begin July 1995.

The Department is committed to the visual sciences. The successful candidate is expected to develop an independent research program and to participate actively in teaching and service. The Department currently has a program in Vision Science, and is initiating a program in Vision Science/Neuroscience. The candidate is expected to contribute to the Department’s curriculum by developing courses and tutoring laboratories.

Candidates should submit the following: a curriculum vitae, a statement of research interests, teaching goals and plans, a statement of possible course offerings, a summary of recent research (not exceeding four pages), and three letters of recommendation. A resume and names of three references will be sent to: Dr. J. Dunn, University of Maryland Baltimore County, Department of Biological Sciences, 1000 Hilltop Circle, Baltimore, MD 21228. Applications are invited for a faculty position at the assistant professor level to begin July 1995.

The University of Maryland, Baltimore County is an affirmative action/equal opportunity employer.

FACULTY POSITIONS OPEN

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
Department of Biology

Applications are invited for two tenure-track faculty positions beginning fall 1995, contingent upon available funding. Minimum qualifications: Ph.D. or equivalent in Biology or a related field, postdoctoral research experience, university teaching experience, or demonstrated potential. The successful candidate will be expected to mount a vigorous externally funded research program and contribute to teaching at the graduate and undergraduate levels.

ASSISTANT PROFESSOR in Cell Biology, No. 0501: Applicants who use molecular, genetic or biochemical approaches to investigate fundamental problems in cell biology are encouraged to apply.

ASSISTANT PROFESSOR in Molecular Genetics of Development, No. 0487: We are seeking an individual with expertise in molecular biology of development. We especially encourage applications using molecular genetic approaches.

Applications will be accepted until the positions are filled.

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

ASSISTANT PROFESSOR, Neuropharmacology/Neurotoxicology

The Department of Pharmaceutical Sciences, Toxicology and Therapeutics at the University of Kentucky Medical Center invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The successful candidate will be given a portion of a new research program in molecular neuropharmacology/therapeutics. These opportunities are to contribute to the teaching of graduate and medical students. The ideal candidate will have had training in pharmacology, neuroscience and molecular biology. The curriculum vitae and the names of three references should be sent to: Dr. J. Encarnation, Chair, Department of Pharmaceutical Sciences, Toxicology and Therapeutics, University of Kentucky Medical Center, Lexington, KY 40536-1286.

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

PLANT SYSTEMS BIST
Duke University

The Department of Botany invites applications and nominations for a tenure-track position at the ASSISTANT PROFESSOR level to begin September 1995. Appointment at the ASSOCIATE PROFESSOR level may be possible for candidates with significant expertise in a particular group or systems approach, together with experience in modern approaches to plant systems. Send curriculum vitae, a statement of teaching and research interests, and names of three references to: Professor Janis Antonovics, Chair of the Search Committee, Department of Botany, Duke University, Box 90538, Durham, NC 27708-0538. Applications received by November 15, 1995, will be guaranteed consideration. Duke University is an Equal Opportunity/Affirmative Action Employer.

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Assistant Professor (Tenure-Track)

Salary: Commensurate with experience. Applications are invited for a faculty position at the assistant professor level to begin July 1995.

The Department is committed to the visual sciences. The successful candidate is expected to develop an independent research program and to participate actively in teaching and service. The Department currently has a program in Vision Science, and is initiating a program in Vision Science/Neuroscience. The candidate is expected to contribute to the Department’s curriculum by developing courses and tutoring laboratories.

Candidates should submit the following: a curriculum vitae, a statement of research interests, teaching goals and plans, a statement of possible course offerings, a summary of recent research (not exceeding four pages), and three letters of recommendation. A resume and names of three references will be sent to: Dr. J. Dunn, University of Maryland Baltimore County, Department of Biological Sciences, 1000 Hilltop Circle, Baltimore, MD 21228. Applications are invited for a faculty position at the assistant professor level to begin July 1995.

The University of Maryland, Baltimore County is an affirmative action/equal opportunity employer.

FACULTY POSITIONS OPEN

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
Department of Biology

Applications are invited for two tenure-track faculty positions beginning fall 1995, contingent upon available funding. Minimum qualifications: Ph.D. or equivalent in Biology or a related field, postdoctoral research experience, university teaching experience, or demonstrated potential. The successful candidate will be expected to mount a vigorous externally funded research program and contribute to teaching at the graduate and undergraduate levels.

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ASSISTANT PROFESSOR in Molecular Genetics of Development, No. 0487: We are seeking an individual with expertise in molecular biology of development. We especially encourage applications using molecular genetic approaches.

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ASSISTANT PROFESSOR, Neuropharmacology/Neurotoxicology

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

PLANT SYSTEMS BIST
Duke University

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FACULTY POSITION IN PLANT BIOLOGY

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Assistant Professor (Tenure-Track)

Salary: Commensurate with experience. Applications are invited for a faculty position at the assistant professor level to begin July 1995.

The Department is committed to the visual sciences. The successful candidate is expected to develop an independent research program and will contribute to the department’s undergraduate and graduate teaching programs. Doctoral degrees are offered in Biological Sciences, Molecular and Cellular Biology, and Marine, Environmental and Plant Sciences. Salaries are competitive and start-up funds are very generous. Facilities are excellent and include a newly renovated greenhouse for transgenic plant research. Applicants should submit a curriculum vitae, a statement of current and future research interests, and names, addresses and telephone numbers of three references. For full consideration, applications should be submitted by December 15, 1994, to: Dr. J. Lynn Zimmerman, Chair, Plant Biology Search Committee, Department of Biological Sciences, UMBC, Baltimore, MD 21228. UMBC is an Affirmative Action/Equal Opportunity Employer. Women and men are encouraged to apply.
GASTROINTESTINAL RESEARCH

The University of Calgary Gastrointestinal Research Group invites applications for a full-time academic position at the Assistant Professor level or higher for a basic scientist with expertise in regulation of intestinal smooth muscle or mucosal function. Duties include teaching and graduate student supervision. Qualifications include a PhD, at least two years’ postdoctoral training, and a proven record of excellence in research. Interest in the influence of various cytokines, growth factors and inflammatory mediators on smooth muscle or mucosa is preferred. Applications are encouraged from pharmacologists and physiologists studying smooth muscle or mucosal function at the cellular and molecular levels.

Academic appointment will be with an appropriate department of the Faculty of Medicine. The selected candidate will be associated with the multidisciplinary Research Group, must compete successfully for salary support from agencies such as the Alberta Heritage Foundation for Medical Research, and will have 75% of time protected for research.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity.

Please submit a curriculum vitae and the names of three referees by December 15, 1994, to:

Dr. R.B. Scott, Chair
Gastrointestinal Research Group
The University of Calgary
3330 Hospital Drive N.W.
Calgary, AB, Canada T2N 4N1

PENN UNIVERSITY OF PENNSYLVANIA

Faculty Positions in Neuroscience

The Department of Neuroscience at the University of Pennsylvania School of Medicine invites applications for two tenure-track positions at the assistant professor level. One appointment will be in the area of developmental neurobiology and the other in the broad area of molecular neuroscience. Outstanding candidates whose research interests fall into these areas are encouraged to apply. Candidates should, by January 1, 1995, send CV, statement of research interests, and three letters of recommendation to:

Faculty Search Committee
Department of Neuroscience
215 Stemmell Hall
University of Pennsylvania
School of Medicine
Philadelphia, PA 19104-6074

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER
WOMEN AND MINORITIES ARE ESPECIALLY ENCOURAGED TO APPLY.
The Department of Genetics and the Yale Comprehensive Cancer Center invite applications for a tenure-track ASSISTANT PROFESSOR position in the broad area of cellular or molecular genetics. Successful applicants with expertise in the analysis of oncogenes, tumor suppressor genes, signal transduction, cell cycle regulation, or the molecular genetics of neoplastic disease, either in mammalian cells or in model systems, are encouraged to apply. Applicants with a strong record of accomplishment in these areas should submit a curriculum vitae, selected reprints, a statement of research achievements, and arrange to have three letters of recommendation sent to:

Chair, Faculty Search Committee
ATTN: Mrs. I. Sherman
Yale University School of Medicine
P.O. Box 208005
New Haven, CT 06520-8005

The deadline for receipt of applications is November 15, 1994. Yale is an Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.

MICROBIOLOGY or IMMUNOLOGY. The Department of Biology at the University of Colorado at Denver seeks candidates for an ASSISTANT PROFESSOR position to be funded, to begin fall 1995. Applicants must have a Ph.D. in one of these or a related field. Preference is given to individuals applying an evolutionary approach to studies in comparative physiology or development of echinoderms and cellular microorganisms. Send a curriculum vitae, selected reprints, a statement of research interests and plans, and three letters of recommendation to: Search Committee, Department of Biology, University of Colorado at Denver, CB 171, P.O. Box 173364, Denver, CO 80217 by November 15, 1994. Applicants with an interest in teaching undergraduates should submit a statement of their teaching philosophy. Submit materials as soon as possible. The University of Colorado at Denver is an Equal Opportunity/Affirmative Action Employer.

CELL BIOLOGY

The Biology Department at Millsaps College announces a TENURE-TRACK POSITION as ASSISTANT PROFESSOR to begin fall 1995. Ph.D. required; teaching experience preferred. We are looking for someone broadly trained in biology who will use modern molecular techniques to address questions about the structure and function of cells. Expertise in electron microscopy is a plus. The successful candidate will teach introductory biology, advanced courses in the specialty, and supervise externally funded undergraduate research. A strong commitment to multidisciplinary thinking and the liberal arts is expected. Inquiries are considered for interview at the American Society of Zoologists, apply by December 1, 1994. Send letter of application, including three letters of recommendation, to: Dr. Sarah Armstrong, Chair, Department of Biology, Millsaps College, Jackson, MS 39210. Applications accepted through December 15, 1994.

UNIVERSITY OF KENTUCKY SCHOOL OF BIOLOGICAL SCIENCES FACULTY TEACHING POSITIONS

The T. H. Morgan School of Biological Sciences invites applications for two tenure-track positions that we anticipate filling at the ASSISTANT PROFESSOR level in the fall of 1995. Primary teaching responsibilities will be in introductory coursework. Research, student involvement in mid- and advanced undergraduate courses. Classroom experience and commitment to excellence in undergraduate education are essential. Please send a curriculum vitae and the names of three referees by November 30, 1994, to: Dr. William S. Cohen, Chair, Search Committee, 101 Morgan Hall, University of Kentucky, Lexington, KY 40506-0225. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION currently available to study the mechanism and regulation of mRNA polyadenylation in yeast. A strong background in biochemistry, general biology is greatly preferred. Please send a resume, a brief summary of research experience, and the names of three referees to: Dr. Claire Moore, Department of Microbiology, Tufts University School of Medicine, 136 Harrison Avenue, Boston, MA 02111.

COGNITIVE NEUROSCIENCE/PSYCHOLOGY. ASSISTANT PROFESSOR of Psychology (tenure-track). Ph.D. required and postdoctoral experience preferred. Candidates should demonstrate (a) an active research program that seeks to understand the relationship between brain-behavior/cognition (area of specialization open), (b) ability to attract grant support, (c) participation in research with other areas of department (e.g., clinical, cognitive), and (d) commitment to undergraduate and graduate teaching in a Ph.D. program. Send curriculum vitae, selected reprints, three letters of recommendation, and three reprints to: Dr. Grace S. Daniels, Chair, Department of Psychology, Bowling Green State University, Bowling Green, OH 43403. Application should be received by December 1, 1994, for full consideration. Minority and females are encouraged to apply. Affirmative Action/Equal Opportunity Employer.

The Department of Biology, University of Miami, invites applications and nominations for a tenure-track position at the level of ASSISTANT PROFESSOR. We seek an evolutionary biologist to join a faculty with research strengths in ecological and molecular evolutionary biology. Preference will be given to individuals applying an evolutionary approach to studies in comparative physiology or development of echinoderms and cellular microorganisms. Applicants with an interest in teaching undergraduates should submit a statement of their teaching philosophy with the application. The successful candidate will teach an introductory biology course, participate in graduate teaching, and curriculum development. Send a curriculum vitae, selected reprints, summary of research interests and plans, and names and addresses of three references to: Dean of the Graduate School, University of Miami, P.O. Box 249118, University of Miami, Coral Gables, FL 33124-0421, by November 15, 1994. The University of Miami is an Equal Opportunity/Affirmative Action Employer, and a smoke/dog-free workplace.

The Department of Biology at Illinois Wesleyan University has a tenure-track opening at the ASSISTANT PROFESSOR level in Molecular Genetics. Candidates must have a Ph.D. broad background in biology, a strong commitment to undergraduate teaching excellence and the promise of research. Responsibilities include teaching genetics (introductory and advanced), an upper-level molecular or cellular biology course, and supervision of undergraduate student research. Appointment begins August 1995. The successful candidate will teach an introductory biology course, participation in graduate teaching, and curriculum development. Send a curriculum vitae, transcripts, three letters of recommendation (including comments on teaching effectiveness), an outline of research plans, and names and addresses of three referees to: Dr. Julian Criley, Chairman, Department of Biology, Illinois Wesleyan University, Bloomington, IL 61702-2900, by December 10, 1994. Send materials to: Dr. Julian Criley, Chairman, Department of Biology, Illinois Wesleyan University, Bloomington, IL 61702-2900. An Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.

The Department of Biology has an opening for a tenure-track ASSISTANT PROFESSOR for fall 1995. WETLANDS BOTANIST: preference given to applicants with a background in the ecology of vernal pools. Teaching will include introductory Ecology for majors and graduate courses in area of expertise. Successful applicants will be expected to supervise M.S. and Ph.D. students. Candidates who have been involved in the development and external funding of research programs are encouraged to apply. Send curricula vitae, a statement of research interest, and the names of three referees to: Dr. Paul A. Bukaveckas, Department of Biology, University of Louisville, Louisville, KY 40292. The University of Louisville is an Equal Opportunity/Affirmative Action Employer. Women, African-Americans and other underrepresented groups are encouraged to apply.

POSTDOCTORAL POSITION in neuropharmacology to examine regulation of second messenger systems in the brain. Experience in studying receptor-mediated cAMP production and in characterizing components of the cAMP and inositol triphosphate signaling pathways in brain slices and cells in culture is desired. Send curriculum vitae and list of references to: Dr. 80. E. M. S. Dr., Department of Pharmacology, University of Kansas Medical School, 3901 Rainbow Boulevard, Kansas City, KS 66160-7417. An Equal Opportunity Employer.

PLANT ECOLOGIST

The Department of Botany invites outstanding applicants for a tenure-track ASSISTANT PROFESSOR to develop innovative, experimental research in ecophysiology or ecosystem analysis involving (but not limited to) physiological and cellular mechanisms of water relations and carbon dioxide exchange and the development of models of a well-differentiated system and the complementarity of departmental strengths. The individual is expected to develop a vigorous, externally funded research program and to contribute to both undergraduate and graduate teaching in ecology. Applicants must have a Ph.D. degree, postdoctoral experience, evidence of research productivity, and good communication skills. Salary and start-up are competitive with top equipment and laboratories are excellent. Application evaluation will begin December 1, 1994, and the first day of every month until the position is filled. Please submit curriculum vitae, names and addresses of three referees with a statement of current research interests to: Ecologist Search Committee, Department of Botany, Box 871601, Arizona State University, Tempe, AZ 85287-1601. (Call 602-965-3414 for departmental information.) Arizona State University is an Equal Opportunity/Affirmative Action/Title IX Employer.

PRINCETON UNIVERSITY DEPARTMENT OF MOLECULAR BIOLOGY

The Molecular Biology at Princeton University is seeking to recruit an individual with research experience in any area of molecular biology, with a broad emphasis on aspects of cell cycle regulation. Preference is given to applicants with background in terrestrial ecological and/or biological control of active animals. Teaching will include participation in introductory Ecology or Comparative Vertebrate Anatomy and graduate courses in areas of speciality. Successful candidates are expected to supervise M.S. and Ph.D. students. Candidates with research experience in the area of vertebrate biochemistry and who have the ability to develop externally funded research programs are particularly encouraged to apply. Please send curriculum vitae, statement of research goals, photocopies of transcripts, and names, addresses and telephone numbers of three referees to: Dr. Paul A. Bukaveckas, Department of Biology, University of Louisville, Louisville, KY 40292. The University of Kentucky is an Equal Opportunity/Affirmative Action Employer. Women, African-Americans and other underrepresented groups are encouraged to apply.

NEUROSCIENCE CENTER DIRECTOR

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS

The University of Texas Southwestern Medical Center invites applications and nominations for the position of DIRECTOR of the Neuroscience Center. Applicants should have an outstanding record of research accomplishment in neuroscience and academic leadership. The Director will have the opportunity to expand the Center from its current size of seven core faculty members to about 20 and 25 new faculty and 50 new laboratory/office space will be available for such expansion. The Director will be responsible for providing intellectual leadership and strategic direction for the Center. Successful candidates are expected to have dedicated faculty and substantial endowment funds. Applications should be submitted before November 18, 1994, although the search will continue until the position is filled. Send curriculum vitae to: Dr. Elliott M. Ross, Department of Pharmacology, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-9041. The University of Texas Southwestern Medical Center is an Equal Opportunity/Affirmative Action Employer.
ASSISTANT/ASSOCIATE PROFESSOR IN PROTEIN BIOCHEMISTRY

The Department of Molecular Biology, Cell Biology, and Biochemistry in the Division of Biology and Medicine at Brown University invites applications for a tenure track position in protein biochemistry at the rank of Assistant or Associate Professor (rank dependent upon successful candidate's qualifications). Requirements are a Ph.D. or M.D. degree, at least two years of postdoctoral training, a strong record of research achievement, and the potential for excellence in teaching. The successful candidate will be expected to establish an independent, vigorous, externally-funded research program focusing on basic studies of protein molecular structure, intermolecular interactions, and/or enzymology, as well as to be an active member of our NIH funded predoctoral training program. Applicants should be willing to contribute to a team-taught course in biochemistry and a graduate-level seminar course in their area of specialty. Interested individuals should send curriculum vitae and a description of research interests and have three letters of reference (five letters for Associate Professor level applicants) sent as soon as possible to: Ms. Laurie Chronley, Department of Molecular Biology, Cell Biology, and Biochemistry, Brown University, Providence, RI 02912.

Brown University is an Affirmative Action/Equal Opportunity Employer. Applications from qualified women and minority candidates are encouraged.

ASSISTANT/ASSOCIATE PROFESSOR IN MOLECULAR GENETICS

The Department of Molecular Biology, Cell Biology, and Biochemistry in the Division of Biology and Medicine at Brown University invites applications for a tenure track position in molecular genetics at the rank of Assistant or Associate Professor (rank dependent upon successful candidate's qualifications). Requirements are a Ph.D. or M.D. degree, at least two years of postdoctoral training, a strong record of research achievement, and the potential for excellence in teaching. The successful candidate will be expected to establish an independent, vigorous, externally-funded research program in molecular genetics and to be an active member of our NIH funded predoctoral training program. While we are especially interested in research programs utilizing yeast as a model system, investigators working in any aspect of molecular biology or genetics and a graduate-level seminar course in their area of specialty. Interested individuals should send curriculum vitae and a description of research interests, and have three letters of reference (five letters for Associate Professor level applicants) sent as soon as possible to: Ms. Laurie Chronley, Department of Molecular Biology, Cell Biology, and Biochemistry, Brown University, Providence, RI 02912.

Brown University is an Affirmative Action/Equal Opportunity Employer. Applications from qualified women and minority candidates are encouraged.

Postdoctoral Fellowship

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert Company has a postdoctoral position available October 1994 for an independent and highly motivated laboratory scientist interested in applying modern principles of pharmaceutics to the development of innovative methods of rapidly assessing the physical chemical characteristics of early drug candidates. Experience with crystallography would be extremely desirable. The fellow will participate in extensive, interdisciplinary collaboration with Pharmacology, Medicinal Chemistry, Chemical Development and Pharmacokinetics.

The successful candidate will be a recent Ph.D. graduate in Pharmaceutical Chemistry. An M.D. is also acceptable.

The position is located in new state-of-the-art laboratories at our main research campus in Ann Arbor, Michigan. This position includes a competitive salary and an attractive employee benefits package, including relocation assistance. All appointments are for one year, renewable for a second and third year on mutual agreement.

PARKE-DAVIS offers a competitive salary, an attractive benefit package, and relocation assistance. Interested candidates should send their curriculum vitae to Box CLP-1116, PARKE-DAVIS Pharmaceutical Research, Human Resources Department, 800 Plymouth Road, Ann Arbor, MI 48105. “Smoke-Free Environment”

PARKE-DAVIS
People Who Care

“Equal Opportunity in Action”

BOEHRINGER INGLEHEIM

Value Through Innovation

Together with all the Boehringer Ingelheim companies world wide, we are committed to Value Through Innovation as our driving ambition.

As a major international pharmaceutical company, we have made a commitment to innovation through world class R&D facilities, programs and scientific staff. We are currently seeking a number of Organic Chemists to join our growing MEDICINAL CHEMISTRY Department.

We have openings for individuals with a Ph.D. in Organic or Medicinal Chemistry with one or more years post-doctoral experience. The successful candidates will design, plan and execute activities in support of our drug discovery programs. You will also be responsible for supervising a laboratory and participating on project teams.

Opportunities also exist for individuals with a B.S. or M.S. degree in Organic or Medicinal Chemistry who have research experience in organic synthesis. Enthusiasm for laboratory work and expertise in modern techniques of synthesis, purification and characterization are essential.

Located on a campus-like setting in a beautiful area of western Connecticut, we offer a competitive compensation and benefits package, the opportunity to be involved in interesting and challenging work, and a chance to contribute to our innovative discovery program. To join our growing team, please write to: Dept. DN-15-815, Boehringer Ingelheim Pharmaceuticals, Inc., 900 Ridgebury Road, Ridgefield, CT 06877. We are an equal opportunity employer. As a progressive healthcare company, we have a non-smoking environment.
POSITIONS OPEN

CHAIR, AND PROFESSOR OF BOTANY
UNIVERSITY OF MARYLAND
AT COLLEGE PARK

The College of Life Sciences at the University of Mary-
land—College Park invites applications for the
PROFESSOR OF CHAIR OF THE DEPART-
MENT OF BOTANY, with an anticipated starting
date of July 1, 1995. The Department of Botany consists of 23 tenure-
track faculty, involved in teaching and research interests in phys-
ology, genetics, cell and molecular biology, ecology, evo-
lution, systematics, and pathology. We seek an individual
who will provide academic and administrative leadership for the
teaching, research and extension programs that are ongo-
ing in the department. The successful candidate will also
be expected to direct a research program and to partici-
pate in extension activities. Candidates must have earned
an earned doctorate in an area of botany or a closely related field, and have internationally recognized profes-
sional accomplishment and experience. Consideration, compli-
cated applications should be received by January 16, 1995.
Applications should include a letter of application accom-
panied by a curriculum vitae and a statement of adminis-
trative, research and teaching philosophies. In addition,
four letters of reference should be sent directly to: Search
Committee Chair, Department of Botany, University
of Maryland, College Park, Maryland 20742-5815.
University of Maryland is an Affirmative Action/Equal
Opportunity Employer. Women and minority candidates are encour-
aged to apply.

CHAIRPERSON
MICROBIOLOGY AND IMMUNOLOGY
SCHOOL OF MEDICINE
TENURE-TRACK POSITION OPEN

The School of Medicine at Texas Tech University Health Sciences Center invites nominations and applica-
tions for the position of CHAIRPERSON of the De-
partment of Microbiology and Immunology. Candidates should
have an earned doctorate degree, an established research program in microbiology/immunology and a
demonstrated ability as an educator. Prior administrative experience is viewed as desirable. Applicants should
include a letter of interest, a curriculum vitae, and names,
addresses and telephone numbers of at least three refer-
ences. Review of applications will begin on 5 December 1994 and continue until the position is filled.
Applications and nominations should be submitted to:
Dr. Louis A. Chiolo, Chairman, Department of
Pharmacy, Texas Tech University Health Sciences
Center, 3601 4th Street, Lubbock, TX 79430.
Texas Tech University is an Equal Opportunity/Affirmative
Action Employer. Minorities and women are encouraged to apply.

DEPARTMENT OF CHEMISTRY AND BIO-
CHEMISTRY, University of Maryland at College Park
invites applications for a tenure-track position in the
Department of Chemistry and Molecular Biology. Candidates
at all levels will be considered, and applications at the ASSOCIATE OR
FULL PROFESSOR level are especially encouraged. Research focus is open, but are not limited to: protein
folding and design, structure-function relations pertaining to signal transduction, gene expression,
immunochemistry, cell-cell interactions, etc., and
protein secretion. Candidates will have the opportu-
nity to participate in the campus-wide Program in Molec-
ular and Cell Biology. Submit a resume, a short descrip-
tion of research plans, and arrange for three or more letters of reference to be sent to: Prof. Douglas A. Julin, Bio-
chemistry Search Committee, Department of Chem-
istry and Biochemistry, University of Maryland, Col-
lege Park, MD 20742-4201. Evaluations begin on No-
ember 1, 1994, but new applications will be considered until the position is filled. University of Maryland at College
Park encourages women and members of minority
groups and is an Equal Opportunity/Affirmative Action
Employer.

Two POSTDOCTORAL POSITIONS at Stanford University's Center for Conservation Biology. 1) Popula-
tion-resource-environment policy research. Ph.D. in the natural or social sciences; broad knowledge and quantita-
tive skills required. 2) Ecological economics. Ph.D. in economics required. Appointments for one year, possibly
renewable. Send curriculum vitae, statement of interests,
and four letters of recommendation to: Prof. Paul R. Ehr-
litch, Department of Biological Sciences, Stanford
University, Stanford, CA 94305-0202. An Equal Op-
portunity/Affirmative Action Employer.
The Ares Serono Group is a pioneering organization widely recognized for turning specific challenges into achievements. At Ares Advanced Technology, we employ state-of-the-art methods in Cell Biology, Molecular Biology and Protein Chemistry to discover and evaluate new biopharmaceutical agents of clinical importance. The exciting, ongoing success of our product portfolio and research projects has triggered the need to add gifted individuals to our staff. Financial stability, innovative products, an entrepreneurial environment and our emergence as a fully integrated company means Ares Advanced Technology can offer you what no one else can: The Best of Biotech.

POSTDOCTORAL SCIENTIST Protein Engineering

This individual will be responsible for implementing an aggressive program to generate novel proteins for use in testing of product concepts and structure activity studies of ligand-receptor interactions. Candidates must have a PhD and 2-3 years' experience in protein biochemistry. An extensive molecular biology background, including construction of cDNA libraries, PCR and mutagenesis technology as well as expression of recombinant genes in both eukaryotic and prokaryotic systems is required. Knowledge of methods for protein analysis, purification and activity testing also essential.

POSTDOCTORAL SCIENTIST Multiple Myeloma/Immunology

You will be involved in a research project which studies multiple myeloma and related lymphoproliferative disorders. This will entail identifying novel factors and genes involved in the progression of multiple myeloma and associated dysregulation of the immune system. To qualify, applicants should possess a PhD and 2-3 years' experience with a proven record of independent research achievements. Expertise in cell biology, monoclonal antibody preparation, flow cytometry, 2-dimensional gel electrophoresis and related protein chemistry techniques also essential. Knowledge of cloning and expression preferred.

The Ares Serono Group is a pioneer in the development of groundbreaking biopharmaceutical agents, and we are seeking exceptional candidates for the positions of Postdoctoral Scientist in Protein Engineering and Multiple Myeloma/Immunology. Both positions are for 1 year and are available immediately. For consideration, please forward your CV to Ares Advanced Technology, Inc., attn: Nancy Magid, Human Resources, 280 Pond Street, Randolph, MA 02368, or fax your CV to (617) 963-6831. Please reference POSTDOC. No phone calls please. An Equal Opportunity Employer.

MOLECULAR OR DEVELOPMENTAL NEUROBIOLOGIST

The University of Calgary Department of Anatomy and the Neuroscience Research Group are seeking a full-time academic Molecular or Developmental Neurobiologist at the Assistant Professor level or higher. This position offers an excellent opportunity to develop rigorous independent research programs and collaborative interactions within a multidisciplinary research environment. Duties will include teaching and graduate student supervision. Qualifications include a PhD, at least two years' postdoctoral experience, and research interests in molecular and/or cellular approaches to development or plasticity of the nervous system.

The selected candidate must compete successfully for salary and establishment funding from the Alberta Heritage Foundation for Medical Research, and will have 75% of time protected for research.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity.

Please send a curriculum vitae, a statement of research interests, and the names of three referees by November 30, 1994, to:

Dr. S. Weiss
Chair, Selection Committee
Department of Anatomy
The University of Calgary
2500 Hospital Drive N.W.
Calgary, AB, Canada T2N 4N1

The Oxford International Biomedical Centre invites you to a biomedical symposium on Biomedicine Today and Tomorrow: Molecular Understanding of Disease on Monday, November 7, 1994 at SmithKline Beecham, King of Prussia, PA

Organized in conjunction with SmithKline Beecham, this event is a unique conference, on the cutting-edge of biomedical research. Speakers who will lead discussion on progress in fundamental research, clinical applications and biotech/pharma development will be:

Ira BLACK (UMDNJ)
Jurgen DREWS (Hoffman-La Roche)
William HASELTINE (Human Genome Sciences)
Alan KINGSMAN (Oxford University)
Paul MARKS (Memorial Sloan Kettering)
Charles PASTERNAK (Director of OIBC)
Rodney PHILLIPS (Oxford University)
Brian RICHARDS (British Biotech Ltd, Oxford)
Robert RUFFOLO (SmithKline Beecham)
Craig VENTER (Institute for Genomic Research)

To reserve a place at this exciting symposium, send $80 (checks payable to OIBC), to include lunch and all breaks, NOW to Kathy McCabe, SmithKline Beecham, 709 Swedeland Road, PO Box 1539, King of Prussia, PA 19406: special rate of $40 for academics and $25 for students.
**UNIVERSITY OF TEXAS MEDICAL BRANCH**

**GALVESTON**

A POSTDOCTORAL POSITION available immediately in Experimental Pathology Division will investigate the biochemical and molecular mechanisms of vari-

cular infections. Established NIH-funded laboratory within strong, collaborative University Toxicology Program. Send curriculum vitae with names and telephonenumber to: Dr. D. S. Barnwell, University of Texas Medical Branch, 301 University Boulevard, Department of Pathology, Galveston, TX 77555.

The University of Texas Medical Branch (UTMB) is an Equal Opportunity/Affirmative Action Employer. Male/Female/Dis-

abled/Veterans. UTMB is a smoke-free/dog-free workplace. UTMB hires only individuals authorized to work in the United States.


Ongoing studies are focused on DNA binding, transcriptional regulation, growth, and the A-, B-, C-, C2- and C3-substituted family. For consideration, submit TWO COPIES of an application letter, a current vita and three letters of recommendation to: Veena N. Rao, Ph.D., Room 1502, 1015 Locust Street, Philadelphia, PA 19107-5841. We are an Equal Opportunity Employer com-

mitted to a smoke-free/dog-free environment.

**POSTDOCTORAL CANDIDATES.** The Life Sciences Division of Los Alamos National Laboratory is seeking postdoctoral candidates in the field of Cell/Mo-

lecular Biology to study the structure-function relationships of DNA repair proteins. Prior experi-

ence in monoclonal antibody and/or phase display technology required; experience in recombinant protein pro-

duction, especially with baculovirus systems, cell culture, and protein chemistry desired. A Ph.D. completed within the last three years or soon to be completed required. Annual starting salaries range from $59,600 to $64,800 plus benefits. Comprehensive benefits package. For consideration, submit TWO COPIES of a curriculum vitae, publication listing, description of research experi-

ence, and three letters of recommendation to: Ms. Mary Anne With, M.S. 2920, 94030PD, Los Alamos National Laboratory, Los Alamos, NM 87545. For additional technical informa-

tion, contact: Dr. S. S. P. D. at 505-667-5701. Individuals with disabilities needing reasonable accommodation should call 505-667-8622. A Teletype Device for the Deaf (TDD) is available by calling 505-665-3357. Los Alamos National Laboratory is operated by the University of California for the U.S. Department of Energy. Affirma-

tive Action/Equal Opportunity Employer.

**POSTDOCTORAL POSITIONS**

Postdoctoral positions available in January 1995 to study T cell antigen recognition. The work will focus on the role of affinity maturation between antigen/MHC and T cell receptor in determining signaling and differen-
tiation events of T cells.

Send curriculum vitae and three letters of reference to: Dr. Howard M. Grey, La Jolla Institute for Allergy and Immunology, 11149 North Torrey Pines Road, La Jolla, CA 92037.

**POSTDOCTORAL POSITIONS** to study mechanisms of drug ligands. Experience with (1) signal transduction; in particular, one or more of the following: protein kinase C, phospholipases, cell lipid analysis, and/or intracellular calcium and (2) in cokary-

totic gene expression in human and permanent resi-

dents only. Send curriculum vitae, names of three refer-

ences and a statement of research interests to: Dr. Arlen Rich,

TNT Canine Cancer Research Foundation, 2000 S. 15th Street, Allentown, PA 18102.

**POSTDOCTORAL POSITIONS** available immediately for the study of signal transduction in mammalian systems to perform electrophysiological and synaptic plasticity using in vitro electrophysiological methods. Experience in electrophysiological recording techniques and cell culture is desired. For more information and three letters of reference to: Wikie A. Wilson, Ph.D., Department of Pharmacology, Box 3813, Duke University Medical Center, Durham, NC 27710. Duke University Medical Center is an Equal Opportunity Employer.

**POSTDOCTORAL POSITIONS IN IMMUNOLOGY**

Immediately available for recent Ph.D. or M.D. inter-

ested in cellular and molecular aspects of lymphocyte de-

velopment and function. New funding immediately available for training in state-of-the-art molecular and immunobio-

logic techniques. Current research areas include: helper T cell development and differentiation into memory (Hay-

akawa); and B cell development, selection and repertoire formation (Hardy). Experience in immunology is pre-

ferred but candidates with a strong background in mole-

cule biology and biochemistry are invited to apply. Please for-

ward curriculum vitae and names of three references to: Dr. Kyoko Hayakawa or Dr. Richard R. Hardy, c/o Human Resources Department, Fox Chase Cancer Center, 5131 City Avenue, Philadelphia, PA 19111. We are an Equal Opportunity Employer.

**POSTDOCTORAL POSITION**

Electrophysiology

The Health Sciences Research Division at the Oak Ridge National Laboratory (ORNL) has an immediate postdoctoral opening in biophysics (Ph.D. completed) with recent, extensive experience in microelectrophysiol-

ogy techniques, including intercellular electrodes, micro-

injection, ionophoresis, and patch clamp procedures in mammalian cells. Experience in communication and effects of electromagnetic fields in cancer and normal cells. The successful candidate will be self-motivated and able to initiate research as well as work in a team envi-

ronment to direct project goals.

ORNL provides a stimulating work environment in a multidisciplinary setting with a highly competitive salary. The Laboratory is managed by Martin Marietta Energy Systems, Inc., for the U.S. Department of Energy. For immediate consideration, send your resume to: G. D. Griffin, Oak Ridge National Laboratory, Department SCI - P.O. Box 2008, Oak Ridge, TN 37831-6101. ORNL is an Equal Opportunity Employer committed to building and maintai-

ning a diverse workforce.

**POSTDOCTORAL POSITIONS**

Hawaii Natural Energy Institute, School of Ocean and Earth Science and Technology, University of Hawaii, ex-

tramural funds. To begin approximately November 25, 1994 through September 30, 1995; continuation depen-

dent upon availability of funds. Training to be performed: Participate in research on marine macroalgal physiology, or microbial or cyanobacterial physiology. Biomass and/or hydrogen production enhancement. Qualifications: Ph.D. in Botany, Microbiology, or related discipline. De-

irable Qualifications: Applied energy research experience. Prior to employment: 808-956-2436. Annual Stipend: $3,000 to $40,000. To apply, submit statement of research interest, curriculum vitae, and three letters of reference. Prior to the final application deadline, and three letters of reference, and sample of one or more relevant authored publications to: Personnel Officer, Hawaii Natural En-

ergy Institute, 2540 Dole Street, Honolulu, Hono-

nolua, Hawaii 96822. Closing date: Until a suitable candidate is found.


**POSTDOCTORAL FELLOWSHIP**

**POSTDOCTORAL POSITION AVAILABLE FOR TRAINING IN MOLECULAR CARDIOLOGY**

Studies will involve utilizing techniques of molecular biology to examine fundamental aspects of embryogenesis of the endothelial cell nicot ine oxide synthase. Opportunities available for active collaboration among several laboratories utilizing a variety of techniques to study the role of eNOS as an enzyme in the regulation of cell growth and the vasculature. Previous experience with biochemistry or molecular biology is desirable. Please send letter of interest to: Dr. James D. Faxon, M.D., P.O. Drawer LL, Division of Cardiology, Emory Uni-

versity School of Medicine, Atlanta, GA 30322. Tele-


**POSTDOCTORAL FELLOWSHIP** available immediately to study basic and applied aspects of the regulation of the endothelial cell nitric oxide synthase. Opportunities available for active collaboration among several laboratories utilizing a variety of techniques to study the role of eNOS as an enzyme in the regulation of cell growth and the vasculature. Previous experience with biochemistry or molecular biology is desirable. Please send letter of interest to: Dr. James D. Faxon, M.D., P.O. Drawer LL, Division of Cardiology, Emory Uni-

versity School of Medicine, Atlanta, GA 30322. Tele-


**POSTDOCTORAL POSITIONS AVAILABE FOR TRAINING IN MOLECULAR CARDIOLOGY**

Studies will involve utilizing techniques of molecular biology to examine fundamental aspects of endothelial cell nicot ine oxide synthase. Opportunities available for active collaboration among several laboratories utilizing a variety of techniques to study the role of eNOS as an enzyme in the regulation of cell growth and the vasculature. Previous experience with biochemistry or molecular biology is desirable. Please send letter of interest to: Dr. James D. Faxon, M.D., P.O. Drawer LL, Division of Cardiology, Emory Uni-

versity School of Medicine, Atlanta, GA 30322. Tele-

**Associate Director Statistical Analysis**

As a prominent leader in the health care industry and in response to shifting needs and trends, we are searching for an individual to assist in the development of goals and plans relating to our Department of Research and Evaluation.

Primary responsibility for this position is to coordinate statistical analysis and data management activities with research, development and clinical evaluation efforts as well as supervise staff in the sections on data management and biostatistics. Also, you will assist in the development and administration of departmental budgets and establish standards for effective job performance, including evaluations. In addition, assist in coordination of educational programs, oversee daily operations of research projects, and monitor projects to ensure that research conducted is completed in a highly professional manner and is statistically appropriate.

Seven to ten years experience in teaching, research and/or health care delivery/administration and an earned doctorate in biostatistics or statistics is required. Experience with sampling techniques, risk adjustment, and advanced experimental design/statistical analysis along with strong managerial, analytical, communication skills essential.

We are committed to high standards of individual and team performance. We can offer the experienced professional an opportunity for a challenging, rewarding career. Please forward resume/salary requirements to Department ADSA/RHC in care of:

Science/Classified Department
P.O. Box 55
1333 H Street N.W.
Washington, D.C. 20005
Equal Opportunity Employer/Immigrant

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**International Business Unit Manager**

Bio-Rad Laboratories, a world leading supplier of clinical diagnostic, life science and analytical reagent, apparatus and instrumentation products has an exciting international opportunity for an experience Business Unit Manager to champion the company’s emerging flow cytometry product line.

With worldwide P&L responsibility, you will lead the business’ growth and development through the management of strategic marketing and on-going development of instrumentation and reagent products. You will report directly to our VP, Clinical Diagnostics, with your base of operations located in the UK, outside London.

To be a successful candidate, you must have a solid product marketing and technical/scientific background in Flow Cytometry and related products, successfully launched products through a worldwide distribution network, had significant P&L responsibility and a proven record of building and leading effective work teams with 10 to 12 years international bio-tech business management background. A BS in Biology/Chemistry or a related technical discipline is essential. An advanced degree is desirable.

Please send your resume and salary history in confidence to: Bio-Rad Laboratories, 1000 Alfred Nobel Dr., Dept. 483, Hercules, CA 94547. EOE MFDV.

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**Research Scientist – Ecological Modeller**

$37,036 – $48,727

Environment Canada
Delta, British Columbia

You will be responsible for advising on, developing, planning and carrying out both independent and co-operative research to model terrestrial, aquatic and marine systems in support of Canadian Wildlife Service objectives. You will provide expertise on systems ecology and population modelling, with special reference to food-chains, biodiversity and habitat use. You will participate in toxicological and physiological research by modelling factors such as energetic processes and pathways. As part of a multidisciplinary team, you will develop predictive ecological models to improve the scientific basis for the management of wildlife and habitat. As a scientific authority, you will advise on work performed by contractors who are involved in monitoring and research studies. You will also advise and consult with other government agencies, universities, industry, the public, national and international bodies.

You have a doctoral degree from a recognized university in a related field, as well as experience in successfully planning, organizing and performing independent research that involves quantitative ecology and modelling. You have demonstrated experience as an effective contributor to a multidisciplinary, experimental approach to science. You will provide evidence of authorship of published papers resulting from research into predictive models of biological systems. Proficiency in the English language is required.

To apply, please submit your resume before November 18, 1994, quoting reference number S-94-31-5576-52D(G35), to:

Daniel Potvin
Public Service Commission of Canada
66 Slater Street
Ottawa, Ontario, Canada K1A 0M7
Fax: (613) 943-0627

*In accordance with the Public Service Employment Act, preference for appointment will be given to Canadian citizens.*

*This advertisement is of particular interest to women.*

*We thank all those who apply and advise that only those selected for further consideration will be contacted.*

*We are committed to Employment Equity.*

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Canada

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**Bio-Rad Laboratories**

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GRADUATE FELLOWSHIPS in Protein Engineering

An interdisciplinary graduate program leading to a Ph.D. in Biological Sciences, Chemistry, or Engineering with a Concentration in Protein Engineering is offered at the University of California, Irvine. The program provides a unique opportunity for students to work with faculty within the School of Biological Sciences, the Department of Chemical and Biochemical Engineering and to focus their coursework and research in the areas of protein structure and function and molecular biology. The program currently supports approximately 20 faculty with research interests in structure/function of enzymes, metalloproteins, receptors, and growth factors; protein folding and design; bioremediation; protein modification with non-natural amino acids; NMR spectroscopy; and X-ray crystallography.

The application deadline for fall 1995 admission is February 15, 1995. Address inquiries to: Graduate Program, Department of Chemical and Biochemical Engineering, University of California, Irvine, CA 92717-1450. Telephone: 714-856-6686. Internet: Prot.Engr@uci.edu. Applications from underrepresented groups, including minorities, women, and people with disabilities, are encouraged.

JOHN J. AND ANNA H. GALLAGHER FELLOWSHIP for research on any of the rarer groups of microscopic, freshwater invertebrate organisms. The research must focus on systems but may include ecological, behavioral, physiological, biochemical, genetic, or developmental components as part of a basic systematic investigation. Position is open until filled; the successful candidate may begin the fellowship at any time during the next year. Send curriculum vitae, statement of research interests, description of the project to be undertaken during the one-year fellowship period, and the names of three references to: Chairman, Gallagher Fellowship Committee, Academy of Natural Sciences, 1900 Benjamin Franklin Parkway, Philadelphia, PA 19103-1195.

MOLECULAR BIOLOGIST RESEARCH STAFF MEMBER. Princeton, New Jersey. Duties include: Radioimmunoassay and cell culture preparation; growth and maintenance of various cell lines and transgenic animals; culture of transgenic mice, including producing DNA constructs, purifying DNA, and injecting embryos; harvesting of transgenic animals; utilize cloning and DNA analysis, including DNA sequencing and PCR analysis; construct recombinant DNA molecules, and prepare them for transfection by microinjection and electroporation. Experience with transgenic animals; animal husbandry; and cell culture techniques preferred. Please send resume and names of three references to: Biotechnology Research Center, Department of Chemical and Biochemical Engineering, Princeton University, Princeton, NJ 08544.

ASSOCIATE RESEARCH SCIENTIST. The Department of Pharmacology invites applications for the position of ASSOCIATE RESEARCH SCIENTIST in Pharmacology. This is a non-tenure-track annual research appointment. We seek a candidate to work on the cardiovascular implications of gene expression and surgical factors. Qualifications for this position include training in electrical or biomedical engineering as well as in cardiac electrophysiology within the cardiovascular disciplines. The position requires at least two years of postdoctoral experience in conducting both electrical and optical mapping experiments and in computer modeling of impulsive propagation of cardiac excitation, and experience with optical and electrical imaging techniques. Please send resume and three letters of reference to: Dr. Andrew W. D. Wit, Department of Pharmacology, College of Physicians & Surgeons of Columbia University, 630 W. 168th Street, New York, NY 10032. Equal Opportunity/Affirmative Action Employer.
Postdoctoral position in Vibrational Spectroscopic Methods

An immediate appointment is to be made to strengthen our capabilities in the structural study of proteins and their interactions by vibrational spectroscopic techniques.

The desired candidate should have a sound knowledge of both theory and current technology in vibrational spectra acquisition, and bring an enthusiasm for experimental applications of FT-IR and/or laser Raman spectroscopy to biological systems. Advantageous would be experience and interest in biological surfaces or membranes.

The Strasbourg Research Centre of Marion Merrell Dow is devoted to basic investigations leading to the development of novel drugs for diseases of the central nervous system. The multidisciplinary Biophysics Group, providing a Global Core Facility for researchers in all MMD centres, undertakes mainly structural investigations of proteins and peptides in solid and solution states using state-of-the-art instrumentation (X-ray crystallography, NMR and optical spectroscopies).

Candidates, who have completed or who expect to complete their Ph.D. by October 1994, should send a CV with the names of 3 referees to M. J. Bildstein, Human Resources Department, Marion Merrell Dow Research Institute, 16 rue d’Ankara, 67080 Strasbourg Cedex, France.
ECOLOGIST/ENVIRONMENTAL BIOLOGIST

The Department of Biological Sciences, University of Maryland Baltimore County (UMBC), invites applications for a TENURE-TRACK POSITION in ecology or environmental biology. UMBC is located near Baltimore and provides ready access to diverse research environments. The UM System maintains three environmental research laboratories including the Center for Environmental Science in Baltimore. UMBC has an active presence for collaborations with state and federal agencies and private laboratories in the Washington-Baltimore region. The Department has 24 research faculty who have a strong, interdisciplinary approach with particular emphasis on molecular and cellular biology.

The applicant should have postdoctoral experience and will be expected to establish a strong and independently funded research program. Teaching will include an undergraduate course in ecology/evolution and a graduate-level course in the appointee’s area. For full consideration, a cover letter should be submitted by December 15, 1994. Send a curriculum vitae, statement of research interests and at least three references to: Dr. Brian Bradley, Search Chairman, Department of Biological Sciences, UMBC, Baltimore, MD 21228-5398. UMBC is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

THE VETERINARY PATHOLOGY DEPARTMENT, Purdue University School of Veterinary Medicine, invites applications for a full-time, tenure-track position at the assistant professor level in diagnostic pathology. Qualifications include training in veterinary diagnostic pathology and a D.V.M. or Ph.D. in diagnostic pathology or related area with at least three years of postdoctoral experience in veterinary diagnostic pathology.

Anatomy

OPEN RANK Anatomy and Cell Biology Positions. The Department of Anatomy and Cellular Biology at Tufts University Schools of Medicine, Dental Medicine, and Veterinary Medicine, invites applications for tenure-track positions. Applicants should possess a Ph.D., M.D. or D.M.D. degree (or equivalent), must have an active, funded research program. Salary will be commensurate with qualifications and experience. Applicants are invited to submit a letter of interest, curriculum vitae and names of at least three references. Application materials will be reviewed as they arrive. The Department of Anatomy and Cellular Biology is committed to increasing the recruitment and retention of women and minorities. Applications are encouraged from candidates who will continue the University’s strong commitment to diversity.

RESEARCH MICROBIOLOGIST—The Department of Ophthalmology, Baylor College of Medicine, invites applications for a MICROBIOLOGIST to develop an independent research program. Research on host-bacteria pathogenetic interactions is preferred. Potential areas of study include molecular mechanisms of attachment and invasion by prokaryotic and eukaryotic microorganisms, host defense mechanisms, tumor necrosis disease, and how eye infections relate to aging and other risk factors. Joint faculty appointment is available in the Department of Microbiology and Immunology. Participation in clinical service is optional. Applicants for this tenure-track position should have a Ph.D., at least two years of postdoctoral experience, and demonstrated research productivity. Applicants should submit a letter of interest, curriculum vitae, names of at least three references, and a statement of research interests to: Search Committee for Microbiologist, Cullen Eye Institute Baylor College of Medicine, 6501 Fannin (NC200), Houston, TX 77030. Baylor College of Medicine is an Affirmative Action/Affirmative Opportunity/Equal Access Employer.

Research Manager

Midwestern specialty agricultural chemical firm seeks a RESEARCH MANAGER to be key technical scientist and manager of their seven person R&D department. Principal duties will include organizing and overseeing all R&D functions and efforts. Successful candidate will thrive in a sales-driven environment. Excellent communication skills, Ph.D in Biology, plus technical expertise in biochemistry, microbiology, and proposal preparation and management. Five years of postdoctoral work experience and management experience required. Please send resume in confidence to:

Frank Schmutz
9293 Vista Drive
West Des Moines, IA 50266

STAFF SCIENTIST/SENIOR SCIENTIST

The BOSTON BIOMEDICAL RESEARCH INSTITUTE invites applications from investigators in the broad field of molecular and structural cell biology. Preference will be given to applicants with interests in the areas of cell motility and non-muscle cell contractility, cell growth, and cell signaling. Generous start-up funds are available. Successful applicants are expected to develop a strong, extramurally funded research program. The Boston Biomedical Research Institute is an independent biomedical medical research center that offers an exceptionally collegial environment. Applicants should submit a curriculum vitae, a description of research interests, and the names of three references to: Miss Mary Caufield, Secretary to the Search Committee, 180 Scandinavian Avenue, Boston, MA 02114. Boston Biomedical Research Institute is an Equal Opportunity Employer.

RESEARCH SCIENTIST. Position available for molecular or structural biologist to study salivary proteins. Two to three years of postdoctoral experience in molecular and structural biology required. Salary range $30,000-$40,000 depending upon experience. Also desirable is experience in NMR or crystallography of proteins. Send current curriculum vitae, letter, resume, and three letters of reference to: Project Director, Department of Oral Biology, 109 Foster Hall, State University of New York, Buffalo, NY 14261-0902. The Research Foundation of SUNY/Buffalo is an Affirmative Action/Affirmative Opportunity Employer.

EVOLUTIONARY/BEHAVIORAL ECOLOGIST: An 18-month leave replacement position will be available beginning in January 1995. Duties include teaching evolution and animal behavior, as well as supervising undergraduate student research. Candidates must have a demonstrated interest and ability in teaching and in directing student research. Teaching load is 12 credits per quarter. Candidates are invited to submit a curriculum vitae, names of at least three (3) references and a letter describing interests and teaching experiences to: Dr. Joan K. King, Department of Anatomy and Cellular Biology, Tufts University Schools of Medicine and Veterinary Medicine, 136 Harrison Avenue, Boston, MA 02111. Minority applicants are urged to apply. Tufts University is an Equal Opportunity/Affirmative Action Employer.

BIOLOGICAL ANTHROPOLOGIST

The Department of Biological Anthropology and Anatomy at Duke University invites applications and nominations for a tenure-track position at the ASSISTANT PROFESSOR level to begin September 1995. Candidates must have demonstrated research interests in paleoanthropology, studied from the perspective of evolutionary theory with a focus on the genus Homo. Experience in teaching paleoanthropology is desirable. Send curriculum vitae and names of references to: Chair, Search Committee, Department of Biological Anthropology and Anatomy, Box 3170, Duke University Medical Center, Durham, NC 27710. Applications received by January 1, 1995 will be considered and to: Duke University is an Equal Opportunity/Affirmative Action Employer.

AQUATIC EDITORIAL STAFF—Cambridge Scientific Abstracts, a member of Elsevier, Inc., is seeking a SUPERVISING EDITOR and an EDITOR to join editorial team in indexing and classifying articles for abstracts journals and data bases. Solid academic background required, publishing experience desirable. Send resume to: A. D. F. Jones, Assistant to the Director, CSAS INC., 700 West 140th Street, Suite 601, Beverly Hills, California 90211. A competitive package of benefits including health insurance, retirement, and paid vacations will be available.

LEADER OF LABORATORY OF MOLECULAR BIOLOGY TECHNIQUES

The Department of Biological Sciences at the University of Idaho seeks a Ph.D. to direct a laboratory to train students and faculty in a broad range of techniques used in molecular biology. Standard and RNA, and employs for collaborative research. Excellent interpersonal skills required. Search and selection procedures will be closed when a qualified candidate has been identified, but not earlier than November 5, 1994. Send letter of application; curriculum vitae; resume; and names and addresses of three references to: A. W. Rouker, Department of Biological Sciences, University of Idaho, Moscow, ID 83844-3051.

FOOD AND INDOOR MICROBIOLOGIST

M.S. Biology with experience or knowledge in water and solid waste treatment, human metabolic system, antibiotic pathway and handling, and cancer microbiology. Using microbiological principles to develop procedures for nutritional status testing of clinical patients. Using sterile technique to process human specimen such as blood cell sediment, cell harvesting, counting, identification. Handling low-level radiotisotope and operate beta counter. In charge water purification and solid waste (isotope, medical and hazardous waste) disposal for the lab. $30,000 per year for a year, 40 hours per week. Must be able to work on weekends. Apply at the Texas Employment Commission, Houston, Texas, or send résumé to: Texas Employment Commission, BSC Building, Austin, TX 78701, J.O No. TX/214578. Ad paid by an Equal Opportunity Employer.

CHIEF ENVIRONMENTAL SCIENTIST

LOUIS BERGER & ASSOCIATES, INC., a prominent, rapidly expanding environmental, planning, and engineering consulting firm with more than 1,400 employes in 24 states, has a rewarding career opportunity available immediately in our New Jersey headquarters. Requirements include: Ph.D. in Environmental Science, plus two or three years expertise in: business, finance, and proposal preparation, marketing; project management, marketing; and professional experience in environmental science. Eight to ten years of professional experience are required. Women and minorities are encouraged to apply. Salary is commensurate with qualifications, experience, and potential. Submit resumes to: Mr. William B. Bissinger, Chief Executive Officer, 155 West Washington Street, Princeton, NJ 08540.

PLANT MOLECULAR BIOLOGIST

Applications are invited for a tenure-eligible PLANT MOLECULAR BIOLOGIST beginning fall 1995. Ph.D. required, teaching experience desired. Course experience in molecular biology and genetics is preferred. Responsibilities include teaching and directing postdoctoral students. Candidates are invited to submit a curriculum vitae and three letters of recommendation: Search Committee, Department of Biology, Tufts University, Boston, MA 02111. Review of applications will begin November 15, 1994.

Women and minorities are encouraged to apply. Affirmative Action/Equal Opportunity Employer.

LEADER OF LABORATORY OF MOLECULAR BIOLOGY TECHNIQUES

The Department of Biological Sciences at the University of Idaho seeks a Ph.D. to direct a laboratory to train students and faculty in a broad range of techniques used in molecular biology. Standard and RNA, and employs for collaborative research. Excellent interpersonal skills required. Search and selection procedures will be closed when a qualified candidate has been identified, but not earlier than November 5, 1994. Send letter of application; curriculum vitae; resume; and names and addresses of three references to: A. W. Rouker, Department of Biological Sciences, University of Idaho, Moscow, ID 83844-3051.

To enrich education through diversity, the University of Idaho is an Equal Opportunity/Affirmative Action Employer.

EXPERIENCED INVESTIGATORS are sought to assist in the development of a chemotherapeutic approach based on targeting a viral molecule. The project involves signal transduction. Experts in areas related to proliferative signal transduction, pharmacology, tumor studies in animals, stem cell biology, and in vivo gene delivery are encouraged to apply. Salary will be commensurate with background. Contact: Dennis W. Stacey, NC2-151, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195.

The Boston Biomedical Research Institute is an Equal Employment Opportunity Employer. Women and minorities are encouraged to apply. Affirmative Action/Equal Opportunity Employer.
RedCell, Inc., a biopharmaceutical company developing novel therapeutic products based on red cell mediated therapy, is looking to expand its research capabilities and has the following opportunities available for highly motivated individuals:

**Director of Medicinal Chemistry**
Highly motivated, innovative, hands-on chemist to be a part of a team that will pioneer our enabling RedCell technology. Our ideal candidate will possess an outstanding record of accomplishment and productivity with strong management and interpersonal skills.

**Protein Chemist/Biochemist**
Ph.D. and B.S./M.S. level scientists with backgrounds in protein chemistry to characterize chemically modified proteins and develop structure/function relationships. A Ph.D. in chemistry or biochemistry, coupled w/2-5 yrs. of postdoctoral experience in protein chemistry including the chemical modification of proteins, assay development, and the purification and characterization of proteins using a variety of chromatographic, spectrosopic, and electrophoretic techniques, is essential. Expertise in immunochemistry is also desirable.

**Cell Biologist**
Ph.D. and a strong background in cell biology with experience in hematology and immunology, molecular and cellular analysis of chemically modified red cells, and analysis of their function.

**Organic Chemists**
Ph.D. and B.S./M.S. level scientists with experience in automated solid phase peptide synthesis, peptide purification, and the construction of combinatorial libraries, as well as scientists with strong backgrounds in multistep organic synthesis, modern spectroscopic and chromatographic techniques, computer literacy and familiarity with chemistry software packages.

**Research Investigator/Mass Spectrometry**
Ph.D. in chemistry/biochemistry or analytical chemistry with demonstrated accomplishments in structural elucidation of complex organic molecules and proteins.

We offer an energetic environment in the San Francisco Bay Area and an opportunity for research in a rapidly changing field. Competitive salary and benefits. EOE employer. Write or Fax your resume to Executive V.P. of Research at: One Sansome St., Ste. 2000, S.F., CA 94104; fax (415) 984-3181.

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**Drug Metabolism • Pharmacokinetics • Pharmacology**

The positions are for experienced B.S., M.S. and Ph.D. scientists and involve the study of in vivo activities of our development compounds. Experience in pharmaceutical industry research and development is preferred.

Affymax provides an excellent compensation package including a stock option program. We are located in the San Francisco Bay Area, and the available positions will be located in new laboratory facilities in San Francisco. Please send your curriculum vitae to: Rose Sturgess, Affymax Pharmaceuticals, 3410 Central Expressway, Santa Clara, CA 95051. EOE

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**World Health Organization**

**International Agency for Research on Cancer**

Lyon, France

Unit of Field and Intervention Studies is looking for an:

**Statistician/Epidemiologist**

The IARC conducts a broad range of studies in the fields of cancer cause and prevention. There are a large number of epidemiological projects in collaboration with investigators throughout the world, and an extensive experimental programme. The Unit of Field and Intervention Studies conducts research in two main fields:

1. Investigation of the role of infectious agents and other risk factors in the causation of human cancer and
2. Implementation of intervention studies using the information derived from the above and other etiological studies.

The major role of the successful applicant will be to be responsible for the computing and statistical methodology of several ongoing or planned projects such as the multicentre case-control study on cervical cancer, cohort studies of IIBsAg carriers and liver cancer and of HPV and CIN lesions, intervention trials on precancerous lesions of the stomach and of the uterine cervix. The applicant should have an advanced degree in biostatistics or epidemiology 3-4 years experience in biostatistics applied to cancer epidemiology, with good knowledge of statistical methods - ability to use the most common statistical software: SAS, GLIM — ability to program in FORTRAN or other language - a good knowledge of English with working knowledge of French.

Annual Salary (net of tax): US$ 36,781 at single rate and US$ 39,383 with primary dependents, plus a cost of living element which is at present 5.1% of the above figures. This percentage is to be considered as indicative since variations may occur each month either upwards or downwards.

The initial appointment will be for a period of two years, with possibility of renewal. Those interested should write, enclosing a brief curriculum vitae, to:

- Personnel Office, I.A.R.C.
- 150, Cour Albert Thomas
- F-69372 Lyon cedex 08
- France
- Fax No 72 73 85 75

Appointments from women are encouraged.
Assistant/Associate Professor in Microbiology and Immunology

The Department of Microbiology and Immunology, University of Illinois at Chicago, is seeking to fill a position at the level of Assistant or Associate Professor in the area of eucaryotic molecular biology. Preference will be given to individuals whose research interests are focused on virology or immunology. The successful candidate will be expected to develop a strong independent research program and participate in the multifaceted research and graduate training program of the Department. Generous laboratory space and start-up funds are available. Applicants should have a PhD or equivalent and at least two years of postdoctoral experience.

Applications should include a curriculum vitae, the names of three references and a brief statement of future research plans. Please send applications to:

Search Committee
University of Illinois at Chicago
Department of Microbiology/Immunology
M/C 790
835 South Wolcott
Chicago, IL 60612

The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity employer. Women and minorities are strongly encouraged to apply.

Harvard Medical School
Molecular Medicine Unit
Beth Israel Hospital

The Molecular Medicine Unit of Beth Israel Hospital is seeking applicants for the position of Assistant Professor. The successful candidate will hold the PhD and/or MD degrees, and have completed a minimum of two years of postdoctoral training in molecular cell biology, physiology, or genetics. Applicants will be expected to establish a funded independent research program in membrane transporters or channels in the broad area of cardiovascular biology. Generous start-up funds and some ongoing support will be provided. The Molecular Medicine Unit faculty currently investigate membrane transport and ion homeostasis, tumor suppression and signal transduction, and induction pathways in early development. All have joint or primary appointments with basic science departments at Harvard Medical School. Candidates should send CVs and names of three references to:

Robert D. Rosenberg, MD-PhD
Faculty Search Committee
Molecular Medicine Unit
Beth Israel Hospital RW663
330 Brookline Ave.
Boston, MA 02215

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SECTION HEAD
MOLECULAR NEURO-ONCOLOGY,
DEPARTMENTS OF CANCER BIOLOGY AND
NEUROSCIENCES
RESEARCH INSTITUTE OF THE
CLEVELAND CLINIC FOUNDATION

We are seeking an established scientist (MD and/or Ph.D.) to lead the Molecular Neuro-oncology Section in the Departments of Cancer Biology and Neurosciences of the Research Institute of the Cleveland Clinic. The Research Institute has a long standing commitment to excellence in basic and applied biomedical research with an annual budget in excess of $30 million. This new position is part of a bridge program among the Departments of Cancer Biology and Neurosciences of the Research Institute and the Clinical Departments of Neurosurgery and Neurology, to promote and foster translational research between the Research Institute and Clinical departments of the Cleveland Clinic. The establishment and funding of this position recognizes the Clinic’s traditional excellence in neurosurgery and neurology and its commitment to the study of the molecular genetic basis of cancer. We are seeking candidates with already established programs in the molecular genetics of brain tumors who are able to utilize the substantial clinical and research resources available to build an outstanding effort in molecular neuro-oncology. The position will be provided with generous space and start-up support including substantial endowment funds. Salary and fringe benefits are highly competitive.

Curriculum vitae and names and addresses of three references should be sent to:

Bryan R. G. Williams, Ph.D.
Search Committee for Molecular Neuro-oncology
Department of Cancer Biology NN 10
Cleveland Clinic Foundation, 9500 Euclid Avenue
Cleveland, Ohio 44195

COMPUTATIONAL MOLECULAR BIOLOGIST

Health Research, Inc., a not-for-profit organization, seeks a Research Scientist III to work in The Wadsworth Center, a multidisciplinary basic research & public health laboratory. The incumbent will play a major role in bridging the gap between computational & experimental molecular biology. Accordingly, the position involves both the delivery of computational tools to staff scientists (50% support) a program of computational molecular biology research (50%).

Support activities will include: 1) consulting with scientists on a wide variety of computational molecular biology problems; 2) user support & training for molecular biology computer software & databases. Substantial interaction with the molecular biology user community is expected.

The ideal research program would focus on building computational approaches to questions identified by staff scientists at the Wadsworth Center, & would build on the base of computational molecular biology research currently ongoing at Wadsworth including multisequence alignment, identification & characterization of subtle regulatory signals & threading.

A doctoral degree & 2 years experience w/software tools for molecular biologist such as GCG, Blast, & Entrez are preferred. Formal training in computational molecular biology, 3D molecular modeling & computer science highly desirable. Send resume to: Health Research, Inc.
W1635S, 66 Hackett Blvd, Albany, NY 12209.

Université de Montréal
Faculté des arts et des sciences
Département de sciences biologiques

TENURE-TRACK POSITION AS ASSISTANT PROFESSOR IN PLANT MOLECULAR BIOLOGY

The Department of sciences biologiques, Faculté des arts et des sciences, Université de Montréal, invites applications for a tenure-track position as assistant professor in plant molecular biology. Functions: Teaching in French, particularly in molecular biology at the undergraduate level, and at the graduate level in the candidate’s area of specialization. Supervision of M.Sc. and Ph.D. students. Research: the successful candidate must develop an autonomous and innovative research program as a part of a multidisciplinary team located at the Institut de recherche en biologie végétale (I.R.B.V.) at the Montréal Botanical Gardens. Requirements: Candidates should have a Ph.D. in a relevant field, a strong research background in any area of plant molecular biology, preferably of vascular plants, and at least one year of postdoctoral experience or equivalent. Salary: According to the collective agreement. Starting date: June 1, 1995. Applicants must send their curriculum vitae, a statement of teaching and research interests, two copies of five reprints (or pre-publication of papers in press) representing their most significant contributions, and three letters of recommendation before December 1, 1994 to:

Dr. Raymond McNeil, directeur
Département de sciences biologiques
Université de Montréal
C.P. 6128, succursale Centre-ville
Montréal (Québec), H3C 3J7

In accordance with Canadian immigration requirements, temporary Canadian citizens and permanent residents of Canada. The University is committed to equal employment opportunity for women.
Announcing applications for:

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The Children’s Brittle Bone Foundation announces an international competition for two fellowships to study the pathogenesis and treatment of osteogenesis imperfecta. Appropriate research areas include: therapeutic approaches to osteogenesis imperfecta including gene therapy; regulation of collagen-synthesis; bone growth and differentiation factors.

Each grant includes approximately $35,000 in salary plus benefit allowance, and a research allowance. Applicants may hold either a Ph.D. or M.D. and be in postdoctoral training or hold a junior faculty position. A second year of support will be available based on evidence of continued progress.

If the applicant is a postdoctoral fellow, a letter of support from the preceptor along with evidence of the preceptor’s external funding for related scientific research is required with the full application.

**Applications available:**
- October 1, 1994
- **Filing Deadline:** January 17, 1995
- **Fellows Notified:** April 17, 1995

**Write to:**
- CHILDREN’S BRITTLE BONE FOUNDATION
- Attention: Grants and Awards
- P.O. Box 27
- Highland Park, IL 60035
- USA

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**Postdoctoral Research Fellowship**

**Department of Geology**

**Vacancy UAC.506**

A vacancy is available for a postdoctoral fellow to work with a multidisciplinary group on a Late Cenozoic volcanic arc complex (Cromandel Volcanic Zone) in the North Island of New Zealand. The position is available for two years. Some relocation costs will be available. Applicants should have a degree in applied geophysics or geology and previous experience working in volcanic areas; ground and aerial gravity and magnetic surveys; and modelling of data. A stipend of NZ$35,000 per annum will be paid.

Interested persons should contact Professor M.P. Hochstein, Geothermal Institute, The University of Auckland, phone 64-9-373 7099 ext 4603, fax 64-9-373 7436, email: therm@auclct.ac.nz, or Professor P.M. Black, Department of Geology, The University of Auckland, phone 64-9-373 7299 ext 7560, fax 64-9-373 7435, email: pm.black@auclct.ac.nz.

Applications in the form of a detailed CV and including the contact details for two or more referees close with the Registrar, The University of Auckland, Private Bag 92019, Auckland, New Zealand on 12 December 1994.

Please quote **Vacancy Number UAC.506** in all correspondence.

W. B. NICOLL, REGISTRAR

**New Zealand**

The University has an equal opportunities policy and welcomes applications from all qualified persons

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Lawrence Berkeley Laboratory, a major R&D facility under contract with the U.S. Department of Energy and located in the San Francisco Bay Area, has several senior positions to fill within their Energy & Environment Division.

The Division has approximately 300 scientific, technical, and administrative/clerical staff members, and carries out a broad interdisciplinary R&D program in energy end-use efficiency, indoor air quality, energy supply, environmental technologies, and related policy analyses. Technology transfer and technical assistance are integral parts of the Division's activities and of these positions.

**Head of the Center for Building Science**

The Center coordinates program development, R&D, and technology transfer/technical assistance activities among three buildings-related Research Programs: Building Technologies, Energy Analysis, and Indoor Environment. Also, the Center serves as a contact point for federal agencies and others interested in building technologies. The Center has a small scientific/technical/administrative staff. (Job #B/2833).

**Leader of the Lighting Systems Group**

The Group is in the Building Technologies Program and works toward increased lighting efficiency, with preserved or enhanced human productivity. R&D activities include advanced lamp technologies, energy efficient fixtures, lighting design tools, and the relationship between lighting and human productivity. Some of the work is carried out through R&D subcontracts. The Group has about five staff scientists and technical/administrative support. (Job #B/2832).

**Transportation Research Coordinator**

The Division views the transportation field as one of potential growth and seeks a person to develop a coordinated transportation R&D program. At present, the Laboratory has strengths in electrochemistry for advanced batteries and fuel cells, combustion and emissions, materials, sensors, advanced manufacturing techniques, and thermal management of vehicle interiors. (Job #B/2831).

Applicants should have substantial experience in one or more of the technical areas under the purview of the position, excellent communication skills, and significant management experience. For more information about the Laboratory and the Division, more detailed descriptions of the positions, and information on applying for them, please write to (include Job #): Greg Blin, Lawrence Berkeley Laboratory, M/S 90-3026, One Cyclotron Road, Berkeley, CA 94720. Equal Opportunity/Affirmative Action Employer.
The Mental Health Research Institute and Department of Psychiatry of the University of Michigan are seeking candidates for a tenure track position in research on non-invasive imaging of the brain related to the understanding of human behavior relevant to mental illness. Candidates should have interest and experience in application of non-invasive modalities to measure neuroanatomically defined functional change, e.g., blood flow, metabolism, receptor regulation, etc., and are expected to develop independent and collaborative research projects. Preference will be given to psychiatrists with neuroimaging experience. Applicants should provide a brief statement of research interests and future plans, a curriculum vitae with bibliography, and names and addresses of three references. Deadline Nov. 15, 1994. Send inquiries and applications to: Chair, Neuroimaging Search Committee, Mental Health Research Institute, University of Michigan, 205 Zina Pitcher Place, Ann Arbor, MI 48109-0720. The University of Michigan is an equal opportunity/affirmative action employer and specifically encourages applications from qualified women and minorities.

**Developmental Neurobiologist**

The Mental Health Research Institute/Department of Psychiatry and The Department of Biological Chemistry of the University of Michigan are seeking candidates for a tenure-track position in Developmental Neurobiology to be jointly appointed at the Assistant Professor/Assistant Research Scientist level. The appointee will develop an independent research program in the area of nervous system development. Developmental neurobiologists utilizing molecular, genetic and cellular approaches and/or with particular interest in biological psychiatry are especially encouraged to apply. Applicants should provide a brief statement of research interests and future plans, a curriculum vitae with bibliography, and three letters of reference. Deadline: December 1, 1994. Send applications to: Dr. Daniel Goldman, Chair, Developmental Neurobiology Search Committee, Mental Health Research Institute, University of Michigan, 205 Zina Pitcher Place, Ann Arbor, MI 48109-0720. The University of Michigan is an equal opportunity/affirmative action employer and specifically encourages applications from qualified women and minorities.
Plant Molecular Biology
Postdoctoral Position

Ribozyme Pharmaceuticals, a leader in the development of ribozyme-based pharmaceuticals and agricultural products, is currently seeking a Postdoctoral Scientist to join our agricultural group in our Boulder, Colorado facility.

Working on the optimization of ribozyme activity in plant cells, you must be highly self-motivated with the ability to design/conduct independent research and collaborate with other personnel. A Ph.D. in plant molecular biology or biochemistry is required, with a strong background in molecular biology. Experience with plant tissue culture and gene expression in transient systems will be beneficial.

For consideration, please send a Curriculum Vitae, including the names of three references, to: Ribozyme Pharmaceuticals, Inc. Attn: Dr. Brent Edington, Ribozyme Pharmaceuticals, Inc., 2950 Wilderness Place, Boulder, CO 80301. FAX: 303-449-6995. We are an equal opportunity employer.

UNIVERSITY COLLEGE DUBLIN
NEWMAN SCHOLARSHIP

LIVER UNIT TRUST
NEWMAN SCHOLARSHIP in LIVER TRANSPLANT IMMUNOLOGY

University College Dublin is pleased to announce the endowment of a further Newman Scholarship as part of its programme to provide research opportunities for scholars of proven academic excellence.

The holder of the Scholarship will join a dynamic research group already engaged in several demanding projects which would welcome the input of an additional experienced, energetic researcher.

Applicants for this Scholarship should hold a doctoral degree in Immunology, Molecular Biology or a related discipline and show evidence of a track record in Biomedical research.

The Scholarship is tenable for three years - subject to satisfactory performance.

Further details and application forms may be obtained from the Personnel Office, University College Dublin, Belfield, Dublin 4, Ireland. Telephone: (353 1) 706 1409. Fax: (353 1) 269 2472.

The closing date for the receipt of completed applications is Thursday, 24 November 1994.

Vanderbilt Cancer Center
Faculty Positions

Several tenure track faculty positions are available in the Vanderbilt Cancer Center. Positions are available at all academic ranks and carry competitive start up packages. Outstanding candidates will be considered in all fields of cancer research but priority will be given to individuals interested in the identification or functional characterization of cancer genes and in molecular epidemiology. Women and minorities are especially encouraged to apply. Investigators will have primary appointments in Medical School departments and will be housed in newly constructed Cancer Center space. Candidates should send a curriculum vitae, an outline of research plans, and three letters of recommendation to:

Chair, Faculty Search Committee
The Vanderbilt Cancer Center
876 Medical Research Building
Vanderbilt University Medical Center
Nashville, TN 37232-6838

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PENN UNIVERSITY OF PENNSYLVANIA

Tenure-Track Faculty Positions
Department of Genetics

The Department of Genetics of the University of Pennsylvania School of Medicine is undergoing expansion, and plans to make several appointments in each of two areas: 1. Molecular genetics of lower eukaryotes, and 2. Mammalian or developmental genetics, including human molecular genetics. Attractive new laboratory space and other resources are available.

The deadline for applications is January 1, 1995. Send curriculum vitae, including bibliography, statement of research interests, and names and addresses of three references to:

Chair, Search Committee
Department of Genetics
School of Medicine
University of Pennsylvania
422 Curie Boulevard
Philadelphia, PA 19104

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Contact: Denise Murrin-Macey, Engineering and Public Policy (EPP), Carnegie Mellon, Pittsburgh, PA 15213. Equal Opportunity/Affirmative Action Employer

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Statement required by the Act of 12 August 1970, Section 3685, Title 39, United States Code, showing the ownership, management, and circulation of:

19. Science, Publication No. 0036-8075, is published weekly on Friday, except the last week in December, at 1333 H Street, NW, Washington, DC 20005-4792. Date of filing: 30 September 1994. This is also the address of the publisher, the editor, and the managing editor, who are, respectively, Richard S. Nicholson, Daniel E. Koshland Jr., and Monica M. Bradford.

10. The owner is the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005-4792. Stockholders: None.

11. Known bondholders, mortgages, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities: None.

12. The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes have not changed during the preceding 12 months.

13-15. The average number of copies of each issue during the preceding 12 months is (A) Total number of copies printed: 171,263; (B) Paid circulation: (1) Sales through dealers and carriers, street vendors, counter sales: None; (2) Mail subscriptions: 161,913; (C) Total paid circulation: 161,913; (D) Free distribution by mail: Samples, complimentary, and other free copies: 3,649; (E) Free distribution outside of mail: Carrier: or other means: 1,992; (F) Total free distribution: 5,641; (G) Total distribution: 167,574; (H) Copies not distributed: (1) Office use, left over, unaccounted, spoiled after printing 3,709; (2) Returns from news agents: None; (I) Total: 171,263. Percent paid and/or requested circulation: 96.6%

Actual number of copies of single issue published nearest to filing date are (A) Total number of copies printed: 172,000; (B) Paid circulation: (1) Sales through dealers and carriers, street vendors, counter sales: None; (2) Mail subscriptions: 162,111; (C) Total paid circulation: 162,111; (D) Free distribution by mail: Samples, complimentary, and other free copies: 3,929; (E) Free distribution outside of mail: Carrier or other means: 4,630; (F) Total free distribution: 8,559; (G) Total distribution: 168,672; (H) Copies not distributed: (1) Office use, left over, unaccounted, spoiled after printing 3,328; (2) Returns from news agents: None; (I) Total: 172,000. Percent paid and/or requested circulation: 94.9%

I certify that the statements made by me above are correct and complete. (signed) Michael Spinella, Director, Membership/Circulation.

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