Positions Open

**NEUROBIOLOGIST ASSISTANT/ASSOCIATE PROFESSOR**

The Department of Neurobiology and Anatomy invites applications for a tenure-track faculty position. Applicants should have postdoctoral experience, a strong record of scholarship, and promise of outstanding research contributions. Applications are encouraged from individuals interested in cellular or molecular approaches in an area of research that complements the faculty. The Cen- ter for Developmental Neurobiology is seeking outstanding scientists with a background in cellular and molecular neurobiology and an interest in brain development and related dysfunctions. Candidates with a track record of independent research demonstrated by peer-reviewed publications. Research interests include neurodevelopmental disorders, neurophysiological analyses of mammalian CNS develop- ment, and molecular and cellular approaches to the study of neurotransmitter systems.

**ASSISTANT AND ASSOCIATE PROFESSOR VERTEBRATE DEVELOPMENTAL BIOLOGY**

Applications are invited for a tenure-track position in the Department of Biological Structure at the University of Washington School of Medicine. Applicants should have a Ph.D. or M.D. degree with at least three years of postdoctoral experience. The successful candidate will be expected to establish an active, externally funded research program in the area of vertebrate development and participate in graduate education in this field. Applicants should be willing to contribute to teaching courses in human biology or neuroscience for health professionals. Candidates should send curriculum vitae, a description of research interests, and three letters of reference by September 15, 1994, to: Dr. Thomas Reh, Search Committee Chair, Department of Biological Structure, SM-20, University of Wash- ington, Seattle, WA 98195. The University of Wash- ington is an Affirmative Action/Equal Opportunity Employer.

**ENVIRONMENTAL STUDIES POSITIONS**

Mount Holyoke College seeks to fill two separate one-semester visiting professor positions in environmental studies: one each for the fall 1995 and fall 1996 terms. Candidates should be accomplished scholars in areas related to environmental studies and may be from the natural sciences, social sciences, or humanities. The specific field is not as important as a strong interest in interdisciplinary approaches to environmental problems and a commitment to the use of relevant research. Applications will be accepted until the position is filled.

**ASSOCIATE PROFESSORS/PROFESSORS DEVELOPMENTAL BIOLOGY MOLECULAR CELL BIOLOGY**

The Institute of Biologically Sciences at the University of Tsukuba, Tsukuba Science City, Japan, invites applicants for two tenure-track positions. Applicants should have Ph.D. degree or equivalent degree, postdoctoral experience, and promise of outstanding research contributions. The successful candidates are expected to have excellent research records and promising future career potential. The successful candidates must be able to attract external funding and to establish a research program in the area of development, neurodevelopment, or molecular biology.

**ASSISTANT PROFESSOR TENURE-TRACK DEVELOPMENTAL NEUROBIOLOGY UCLA**

Applications are being solicited for two tenure-track positions. The UCLA Division of Brain and Mental Retardation Research Center. Applicants must have 2 or more years of postdoctoral experience and be expected to establish a research program in the Division of Brain and Mental Retardation. The Division of Brain and Mental Retardation is a research center that focuses on the development, structure, and function of the brain and nervous system. The successful candidate will be expected to contribute to the growth of the Division and to the UCLA Department of Neurobiology and Anatomy.

The successful candidate must be able to attract external funding and to establish a research program in the area of development, neurodevelopment, or molecular biology. The successful candidates must be able to attract external funding and to establish a research program in the area of development, neurodevelopment, or molecular biology.
ENDOWED PROFESSORSHIP IN CARDIOVASCULAR DISEASE TULANE UNIVERSITY

The Cardiology Section of Tulane University is seeking applications and nominations for a tenure-track position at the level of INSTRUCTOR, ASSISTANT or ASSOCIATE PROFESSOR. Applicants must have a Ph.D. or M.D. degree and at least 2 years of experience in cardiovascular medicine. Instructor applicants should send curriculum vitae and 3 letters of reference to: Andrew J. Buda, M.D., Robert Morgenstern Professor of Medicine, Section of Cardiology, Department of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112-2699. Faculty positions are open until position filled.

FACULTY POSITION: The Department of Microbiology and Immunology, and the Program in Molecular Medicine of the University of California, San Francisco, School of Medicine, with its renowned faculty of human and mammalian genetics, is seeking applications. Applicants are expected to conduct independent research of high quality and to teach undergraduate and graduate courses in their areas of expertise. Please submit curriculum vitae, a brief statement of research interests and names of three references. Send curriculum vitae, statement of research interests and names of references to: Dr. Daniel J. Goldberg, Department of Pharmacology, Columbia University, 630 West 168th Street, New York, New York 10032. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

FACULTY POSITION: The Program in Molecular Pharmacology and Therapeutics invites applications for tenure-track positions at the ASSISTANT or ASSOCIATE PROFESSOR level. We are seeking innovative individuals with strong research accomplishments and outstanding promise, who will use modern molecular and biochemical approaches to address problems in pharmacology. Applicants should have a Ph.D. and/or M.D. degree and a strong postdoctoral education, and a commitment to excellence in research. The Program offers a unique and exciting research environment and will provide generous start-up support. Oct. 1, 1994, candidates should send their curriculum vitae, a brief description of current research objectives and the names of three scientists who can evaluate the applicants' accomplishments and potential to: Joseph R. Bertino, M.D., Program Chairman, Molecular Pharmacology and Therapeutics Program, Memorial Sloan-Kettering Cancer Center—Box 78, 1275 York Avenue, New York, New York 10021. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

FACULTY POSITION: Open through Memorial Sloan-Kettering Cancer Center.

POSTDOCTORAL POSITION available immediately for research on the cell biology of the growth of neuronal processes. Projects involve the use of video microscopy combined with biochemical and molecular biological techniques. Background in neurobiology and/or cell biology preferred. Send curriculum vitae, statement of research interests and names of three references to: John L. Reynolds, PhD, Department of Pharmacology, New York University, 550 First Avenue, New York, New York 10016. Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION: The B. Rappaport Faculty of Medicine at the Technion invites applications for tenure-track positions at the Assistant to Professor level in all areas of molecular biology. Applications are also invited for tenure-track positions at the assistant professor level in molecular genetics, preferably human or mammalian. Applicants are expected to conduct independent research of high quality and to teach undergraduate and graduate courses in their areas of expertise. Please submit curriculum vitae, a brief statement of research interests and names of three references to: Professor Peretz Lavie, Dean, B. Rappaport Faculty of Medicine, Technion, P.O. Box 8185, Haifa 31088, Israel.

FACULTY POSITIONS—TULANE UNIVERSITY

As part of an ongoing environmental restoration and waste management research program, Tulane University School of Public Health and Tropical Medicine invites applications for several positions at the ASSISTANT or ASSOCIATE PROFESSOR rank in the Department of Environmental Health Sciences. The positions are initially funded as research faculty appointments, with possibility of conversion to tenure-track. Research will be carried out in the newly established ENERTY Spatial Analysis Research Laboratory, part of the Tulane Center for Bioenvironmental Research. Openings in the following areas are available immediately: (Position 1) Risk Assessment/Exposure Assessment; (Position 2) Ecological Risk Assessment; (Position 3) Ecological Risk Assessment; (Position 4) Environmental/Resource Economics. Applicants should hold an earned doctoral degree in environmental toxicology, environmental economics, ecology, radiation health, or related disciplines. Experience with decision analysis, geographic information systems (GIS), and/or environmental economics is desirable. Applications will be accepted from 1 November to 30 January 1995, and the search will continue until the positions are filled, but to assure consideration for the positions, materials should be submitted as soon as possible. Interested applicants should send curriculum vitae, letter of interest, and a detailed research plan to: William A. Toscano, Jr., Ph.D., Chair, Environmental Health Sciences Department, Tulane University School of Public Health and Tropical Medicine, 1430 Tulane Avenue, New Orleans, LA 70112-2699.
DEPARTMENT OF
GEOLGY AND
GEOPHYSICS

Chair of
Geology and
Geophysics

Applications and expressions of interest are invited for the appointment to the Chair of Geology and Geophysics. The Department's particular interest is exploration geoscience.

The appointee will assume the Headship of the Department of Geology and Geophysics for an initial period of five years, and will be expected to provide academic leadership, conduct original research, supervise postgraduate students, and participate actively in undergraduate teaching.

An opportunity exists to integrate the resources of both the Geophysical Research Institute, which has an international reputation in exploration and environmental geophysics, and the Department, into an outstanding exploration research centre.

Staff resources within the Department and the Institute include approximately 30 academic and professional staff. Facilities and equipment include image processing, GIS, X-ray fluorescence, electron microscope, thin section and geochemistry laboratories, and a good selection of geophysical exploration instrumentation.

Applications from persons with experience in exploration science (geochemical/geophysical) will be particularly welcomed.

Informal enquiries may be directed to Professor K. W. Entwisle, Dean of the Faculty of Science, telephone 61 67 73 2303, fax 61 67 73 3376.

Salary: $78,991 pa (Level E)
Closing Date: 31 August, 1994
Position No: 518
Applications to be addressed to the Director, Personnel Services, University of New England, Armidale, NSW 2351, Australia, telephone 61 67 73 2678, and should include the names, addresses, telephone numbers, facsimile numbers/email addresses of three referees, and should state the above position number and must be received prior to the above closing date.

The right to fill the Chair by invitation, or to make no appointment, is reserved.

Hybridon, Inc., is a visionary biotechnology company developing a new generation of drugs that target specific human diseases. As we continue to advance our science, we're building a strong and exciting business. Join us.

MANAGER OF DATA MANAGEMENT

Directing Drug Development's data management and entry staff, you will monitor the quality of internal and external data management. Successful candidate will assist in software selection and in the implementation of a computerized system. To succeed, you'll need an BS degree in Biology or health related field, 3+ years of pharmaceutical or clinical trials experience and one or more years of experience in a management role including SOP formulation and staff training. Candidate must have knowledge of data management computer software and GCPs, and will be well versed in coding dictionaries for adverse events/medications. DEPT. DM.

MANAGER OF INFORMATION SYSTEMS

Identifying and assessing computer products for the US and European Drug Development Group, you will coordinate database and programming hardware/software needs. The successful candidate will assist in systems implementation, provide user education and training and interact with other functional groups to assist with systems integration. To qualify, you must have an MSCS, or equivalent, and 3 or more years of experience in systems administration and applications programming development. A solid knowledge of SAS, relational database design and data storage technology essential. 3 years of pharmaceutical experience is required. DEPT. IS.

ANALYTICAL CHEMISTS

Experience which includes Bioassay, NMR, Mass Spectrometry and FTR. Candidates who have experience in Regulatory Affairs would be desirable. Successful candidates should possess an MS with 3 to 5 years' experience or PhD with 2 to 4 years' experience. DEPT. AC.

ANALYTICAL MOLECULAR BIOLOGIST

Experience which includes organic synthesis, spectroscopy, HPLC, CE, gel electrophoresis is required and experience in DNA manipulation is a plus. Successful candidates should possess an MS in a scientific discipline with 3 to 5 years' experience. DEPT. MB.

RESEARCH ASSOCIATES

Experience which includes oligonucleotide synthesis and/or the chemistry and physical chemistry of oligonucleotide and RNA for studies to develop antisense and ribozyme therapeutics. To qualify, you must have a BS/MS in Chemistry, or equivalent, and 3 or more years of experience. DEPT. RRA.

Experience in preparative organic chemistry. Familiarity with all current analytical techniques including chromatography such as HPLC and UV/NMR spectroscopy are being expected. Knowledge in oligonucleotide synthesis would be desirable. To qualify you must have 3 or more years of experience and a BS/MS in Chemistry or equivalent. The successful candidate will be part of a new team being organized in our Process Development Group. DEPT. KPD.

Experience in Molecular Biology and/or Virology. Experience in molecular cloning, mammalian DNA transfections, cell culture and/or animal studies is appropriate. To qualify, you must have 2 or more years of experience and a BS/MS in Biology or equivalent. DEPT. RES.

With a commitment to steady growth, we offer ongoing professional development opportunities. We also provide a highly competitive salary and benefits package. Please send your resume, referencing the department to: Human Resources Manager, Hybridon, One Innovation Drive, Worcester, MA 01605. An equal opportunity employer.
POSITIONS OPEN

IMMUNOLOGIST

The Department of Zoology (reorganizing as the Department of Cellular Biology) at the University of Georgia seeks to fill a tenure-track ASSISTANT PROFESSOR in marine immunology. Applicants with research interests in areas of immunology which are central to cellular biology, including cell activation, immunomodulation, and the transcriptional and membrane trafficking are of particular interest. The incumbent will be expected to develop a strong, independent research program and to contribute to undergraduate and graduate education. Applicants should send curriculum vitae, statements of research and teaching interests, and at least four letters of recommendation to: Dr. Donald F. Taugher, Search Committee, Department of Zoology, The University of Georgia, Athens, GA 30602. Applications received by September 30, 1994, are assured the consideration of

STAFF ASSOCIATE needed by Stroke Center at Columbia-Presbyterian Medical Center to assist in NIH-funded research project. Background in computer science and data management required. Responsibilities include computer programming; statistical analysis; and report preparation. Inquiries with curriculum vitae to: Dr. F. M. Schiavo, Stroke Center, The Rockefeller University, 1230 York Avenue, New York, NY 10021.

Columbia University is an Equal Employment/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP

Irvine Research Unit in Brain Aging, and Health Sciences Research Imaging Center University of California, Irvine

The University of California, Irvine (UCI) NIA Training Program in Aging has a position for a Postdoctoral Fellow interested in in vivo NMR spectroscopy. Applicants should have a strong background in biochemistry with specific experience in NMR spectroscopy. A general knowledge of clinical aspects of aging and dementia would be helpful. Facilities include a specialized 1.5 Tesla clinical scanner with multinuclear MMR spectroscopy capability and a 5.25 Tesla whole body scanner to be operational during the summer 1995.

Research examining basic and applied issues in aging and dementia involves interaction with an active multi-disciplinary group with applications in Neuroscience, Radiological Sciences, Computer Assisted Image Analysis, Artificial Intelligence, and Molecular Biology. The appointment will start on January 1, 1995, and the funding is available for one year. Applications from U.S. citizens and permanent residents. If you are interested, please submit a current curriculum vitae, a statement of research interests and experience, three letters of reference from three referees by October 1, 1994, to: Professor O. Nalcio-Ibran, Research Imaging Center, College of Medicine, University of California, Irvine, CA 92697-6020. UCI is an Equal Opportunity/Affirmative Action Employer. Applications are encouraged from all qualified applicants, especially those from underrepresented groups.

POSTDOCTORAL POSITION

To study seasonal changes in mRNA and protein abundance of ovarian steroidogenic enzymes in castrate, and isolated dDCAs encoding these enzymes. Ph.D. in a biological science and experience with molecular biology techniques required. Experience with reproductive endocrinology desirable. Start September 1, 1994, (pending final approval). Send curriculum vitae and three letters of reference to: Dr. John Trant, Zoology & Physiology, Louisiana State University, Baton Rouge, LA 70803. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

STEREO EFFECTS IN BREAST CANCER

Available immediately. Project to investigate the role of adrenal androgens in breast cancer cell growth and progression, and their modifying role in the development of human adrenal androgen synthesis. Previous experience with immunodefective rodents and/or trangranisation biology would be highly desirable. Salary negotiable. Send curriculum vitae to: Peter Hornsby, Ph.D., Huntington Cancer Center on Aging, 140 North Highland Ave., Miami, FL 33236. One of the U.S. applicants called (786) 373-6000. An Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available now in the Department of Biochemistry, University of California, San Francisco. Experience in cell biology techniques is required. The research involves the characterization of surface glycoproteins of murine pre-B cells and the generation of knockout mice. Send curriculum vitae to: Dr. D. S. Saar, Ph.D., Stanford University School of Medicine, Department of Immunology, 2325 Campus Drive, Stanford, CA 94305. An Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

In the Department of Cell Biology, University of Washington, Seattle. Applicants must have an MS or Ph.D. in Biochemistry or Cell Biology and at least one year of postdoctoral experience. Send curriculum vitae, three letters of recommendation, and a statement of research interests to: Dr. Raymond M. Warner, Box 357670, University of Washington, Seattle, WA 98195. An Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

In the Department of Anatomy, University of California, Los Angeles. The successful candidate will be expected to pursue a research programme involving the mechanism of muscle contraction. Send curriculum vitae, three letters of recommendation, and a statement of research interests to: Dr. E. H. Hermans, Department of Anatomy, University of California, Los Angeles, CA 90095. An Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

In the Department of Neurobiology, University of Texas, San Antonio. Research will investigate the role of changes in the expression of specific neurotransmitter receptors in the pathogenesis of Alzheimer's disease. Send curriculum vitae and three letters of recommendation to: Dr. J. D. Parkinson, Department of Neurobiology, University of Texas, San Antonio, TX 78284. An Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

In the Department of Pharmacology, University of Texas, Houston. The position is available immediately. Research will focus on the role of NMDA receptors in the development of spinal cord injury. Send curriculum vitae and three letters of recommendation to: Dr. R. T. D. Silvers, Department of Pharmacology, University of Texas, Houston, TX 77225. An Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

In the Department of Pathology, University of Washington, Seattle. The successful candidate will be expected to pursue a research programme involving the mechanism of muscle contraction. Send curriculum vitae, three letters of recommendation, and a statement of research interests to: Dr. E. H. Hermans, Department of Anatomy, University of California, Los Angeles, CA 90095. An Equal Employment Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITION IN NEPHROLOGY

The Division of Nephrology, Department of Medicine at the University of Alabama at Birmingham seeks applicants to occupy a tenure-track level of ASSISTANT PROFESSOR. Applicants must have a relevant Ph.D. or M.D. degree and at least 3 years of postdoctoral research experience. Success in publications and securing extramural funding. Responsibilities would include expression cloning of the epithelial sodium channel subunits, with special emphasis on human hypertensive diseases such as Liddle's syndrome and low-renin hypertension. Special consideration will be given to those with strong independent research interests.

Send curriculum vitae to: Dr. G. Warnock, M.D., Division of Nephrology, University of Alabama at Birmingham, Birmingham, AL 35294. FAX: 205-934-8797. UAB is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

BOSTON UNIVERSITY MEDICAL CENTER

A postdoctoral position is available to study the relationship between the structure and function of secreted IgM and its contribution to disease. The successful candidate will be expected to pursue a research programme investigating the role of changes in the expression of specific neurotransmitter receptors in the pathogenesis of Alzheimer's disease. Send curriculum vitae and three letters of reference to: Dr. C. M. Petkau, Department of Neurobiology, University of Texas, Houston, TX 77225. An Equal Employment Opportunity/Affirmative Action Employer.

MOLECULAR BIOLOGIST

POSTDOCTORAL/RESEARCH ASSOCIATE position available, September 1, 1994, to explore the role of anion conductive systems in diverse neuropeptides. The candidate will be expected to be a highly motivated Ph.D. or Post-doc. Salary, $30,000 plus fringe benefits. Send curriculum vitae and three letters of reference to: Norman Briggs, Ph.D., Department of Physiology, Box 290515, Medical College of Georgia, Richmond, VA 23298-0551. Virginia Commonwealth University is an Affirmative Action and Equal Opportunity Employer.

SYSTEMIC ZOOLOGIST

The Field Museum is seeking an outstanding systematist to fill a tenure-track position in the Department of Zoology at the level of Assistant Curator. Candidates pursuing innovative, specimen-based research are encouraged to apply. Among the most desirable are: (a) molecular systematics, with a focus on integrating population genetics, phylogenetic and molecular systematics; (b) developmental biology to include the study of tissue culture and histology as a means of addressing developmental and phylogenetic questions; (c) phylogenetic research that investigates questions in population or community ecology, or (d) systematics based on multiple data sets (e.g., morphological, molecular, behavioral) or making important contributions in a second field such as conservation, theoretical systematics, or biogeography. The successful candidate will have a Ph.D. and a proven record of scientific achievement. In addition to research, responsibilities include curatorial duties and participation in public exhibit and education programs. The potential exists for participation in public exhibit and education programs. The position exists for participation in public exhibit and education programs. There is an expectation for participation in graduate and undergraduate teaching at local universities. The Zoology Department is part of the Museum's Center for Evolutionary Studies and Environmental Biology which includes the Departments of Botany and Geology. Consideration of applications will begin on September 1, 1994, and continue until a suitable candidate is found. Please send the following materials: (1) curriculum vitae; (2) a statement of research objectives; (3) names and addresses of 3-5 people from whom letters of recommendation may be requested; (4) copies of relevant publications to: Search Committee, Department of Zoology, Field Museum, Roosevelt Road at Lake shore Drive, Chicago, IL 60605-2496. Email inquiries: westnec@fmnh.org.

An Equal Opportunity/Affirmative Action Institution, we especially encourage applications from women and minorities and we are responsive to dual-career needs.
REGIONAL MEDICAL ASSOCIATE

SmithKline Beecham is a $9.2 billion global pharmaceutical and healthcare company. Our world famous products and reputation mean unsurpassed opportunities for individuals to combine their scientific and marketing expertise as Medical Associates.

Our Medical Associates establish relationships within major managed care organizations for the purpose of maintaining scientific liaison and providing in-depth information regarding SmithKline Beecham products. This includes the training of representatives and medical professionals. Travel 40-50%.

To qualify, you must have a Pharm.D. or Ph.D in Pharmacology, Toxicology, Microbiology or related life sciences. Strong marketing and communication skills and a high degree of initiative are also required. An opportunity currently exists in Michigan, requiring travel to Minnesota and Wisconsin.

We offer one of the best compensation packages— including a car - in the industry. If you'd like to be a part of our success, send your resume with salary history to: SmithKline Beecham, Central Employment, 200-S North 16th Street, Philadelphia, PA 19101. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham

CHIEF, CLINICAL PHARMACOLOGY BRANCH
NATIONAL CANCER INSTITUTE

The Clinical Oncology Program, National Cancer Institute (NCI), National Institutes of Health (NIH), Public Health Service, is seeking applications for the position of Chief, Clinical Pharmacology Branch, at the Clinical Center in Bethesda, Maryland. The Branch is an integrated clinical and laboratory program in cancer medicine. The laboratories, consisting of 5000 square feet of space, support four senior research investigators. In addition, the Branch has access to NCI’s inpatient wards and outpatient clinics at the NIH Clinical Center for translation clinical research in cancer medicine. This Branch has been a leader in the development of new agents and new approaches for cancer treatment. The Clinical Pharmacology Branch is also an integral part of the NCI training programs in both medical and radiation oncology.

We are seeking a senior clinical scientist who is at the forefront of research in the molecular and cellular biology of cancer. U.S. citizenship is required. Salary range is $71,049-$91,029. Payment of travel and transportation expenses will be considered on an individual basis. Exceptional recruiting difficulty may result in payment of a recruitment or relocation bonus. Application for Federal Employment (SF-171) must be received or post-marked by August 29, 1994. For application information, please contact Patrick Miller, Personnel Management Specialist, NCI, on (301) 496-1771.

NIH is an Equal Opportunity Employer.

MARKETING MANAGER

Bio-Rad Laboratories is a multinational leader and innovator in the development and manufacture of high quality products; chemicals and instruments, for life science researchers and clinical diagnostic professionals.

The Clinical Diagnostics Group is looking for a Marketing Manager – DNA Diagnostics. We seek a person to identify and champion technologies and/or products that will lead to commercial successes. You will work with the entire Diagnostic Group as well as with our Life Science Group. An advanced degree in molecular biology coupled with marketing experience and an understanding of both life science technologies and the diagnostics market, combined with the energy to put it all together would be ideal.

We are looking for a truly excellent person to join our team. The task will be challenging, exciting and present real growth opportunities. If you feel that you are ready for this challenge, please send your resume, including salary history to: Bio-Rad Laboratories, Dept. 325, 4000 Alfred Nobel Dr., Hercules, CA 94547, EOE MFDV.
HARVARD MEDICAL SCHOOL
POSTDOCTORAL POSITIONS

Two positions available immediately to study the immunological defects underlying the development of type I diabetes in a laboratory where state-of-the-art and gene-regulating techniques are used. Current projects focus on the mechanisms of antigen-specific tolerance induction and the use of gene targets to recognize (Science 259:1165, 1993) in NOD mice. Candidates should have a background in molecular biology and immunology. Please send curriculum vitae and names and addresses of three references to: Dr. Myra A. Lipes, Research Division, Joslin Diabetes Center, One Joslin Place, Boston, MA 02215.

Virginia Commonwealth University's (VCU) Department of Pharmacology and Toxicology seeks a POSTDOCTORAL FELLOW to study opioid tolerance and dependence in neonatal rats. The position involves behavioral pharmacology and molecular biology, including in situ hybridization and PCR. Ph.D. with a background in pharmacology or neuroscience are encouraged to apply. Send curriculum vitae and names of three references to: Dr. Mary Abood, Pharmacology and Toxicology, MC00524, Richmond, VA 23298-0524. Anticipated hire in fall 1994.

POSTDOCTORAL FELLOWSHIP IN ARTHRITIS GENE THERAPY. We are seeking a well-trained, motivated molecular biologist to join a team of researchers who are conducting pre-clinical arthritis gene therapy studies at a leading arthritis research center. The candidate would be involved in studies to test the feasibility of using gene transfer techniques to modify mechanisms underlying arthritis. Experience with transfections, Northern, dot blots, RT-PCR, CAT assays, vector construction and packaging, molecular cloning and plasmid purification is desired. Position requires a Ph.D. degree. FAX or send curriculum vitae and two letters of recommendation to: William J. Koopman, M.D., Howard L. Holley, Professor of Medicine, Division of Clinical Immunology and Rheumatology, The University of Alabama at Birmingham, 1700 6th Avenue South, Birmingham, AL 35294. FAX: (205) 993-1564. Position available July 1, 1994. UAB is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWS/RESEARCH ASSOCIATES. Two positions are available to study: a) the molecular mechanisms involved in pre-implantation in T cells; particularly as regards to the role of the vgf gene; b) the molecular basis for HIV-1 neuropathy and HIV-1 mediated embryopathy; c) identities that should have a Ph.D. or equivalent and 3 to 5 years of experience in virology and molecular biology. Salary: $25,000 to $30,000. Direct inquiries, including curriculum vitae and names of three references to: Dr. David J. Volksky, Molecular Virology Laboratory, St. Luke's/Reuelstover Hospital Center and College of Physicians and Surgeons, Columbia University, 432 West 18th Street, New York, NY 10011. FAX: (212) 582-4461, FAX: (212) 582-5027. An Equal Opportunity/Affirmative Action Employer.

RESEARCH PROGRAM on cellular and molecular aspects of antioxidants' function in skin. The study focuses on molecular mechanisms involved in the cellular response to environmental and oxidative stresses. Requirements: Ph.D. with minimum 3 years of experience in areas of molecular biology/cell biology, experience in a broad range of molecular techniques, including protein biochemistry and enzymology. Please submit application, curriculum vitae and three letters of recommendation to: Dr. Joel D. Melnick, Lernhardt Institute for Science and Medicine, 440 Page Mill Road, Palo Alto, CA 94306 (Attention: Dr. Niedzwiedzki).

POSTDOCTORAL POSITION IN PLANT PHYSIOLOGY available in September 1994 to study the cytoplasmic regulation of iron (III) reductase activity in root nodules. Development of isolation procedures for membrane-bound mobile signal compound which enhances root reductase activity. Recent Ph.D. in plant physiology, biochemistry, cell biology, molecular biology, or a related field required; familiarity with immobilized metal affinity chromatography would be helpful. Send curriculum vitae and names of three references to: Dr. Michael A. Gruszka, University of Illinois, CNRC, 1100 Bates Street, University, IL 62203.

POSTDOCTORAL POSITION available immediately to study chemistry and biology of DNA damage potentially induced by environmental pollutants. Requirements: Ph.D. in chemistry or biology with significant experience in nucleic acid biochemistry and/or molecular/cell biology and/or areas related to cellular stress; at least 10 years of experience. Salary: $50,000 per year. Job Site/Interview: Anaheim, CA. Send this ad and your resumes to: Jobs# CL40925-12209, 1600 East Harveston, CA 92866-9065 no later than August 14, 1994.
A research assistant position is available to investigate and develop new types of recombinant immunotoxins directed at cancer cells. The position requires broad expertise in molecular biology, protein purification, and in the design of recombinant immunotoxins containing Pseudomonas toxin and Fv fragments of antibodies. The position also requires expertise in phage antibody display, knowledge of properties of cancer cells and their biochemical responses to toxin treatment. Applicant must have a Doctoral level degree and at least four years post doctoral experience. Salary ranges between $40,000 to $50,000, depending on experience. Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, national origin, politics, marital status, physical or mental disability, age, sexual orientation or membership or non-membership in an employee organization.

To apply, please send curriculum vitae, reprints, description of research experience and a list of references to:

Dr. Ira Pastan
Chief, Laboratory of Molecular Biology
DHS, PHS, NIH, National Cancer Institute
Building 37, Room 48-16
Bethesda, MD 20892

Applications must be received by August 12, 1994
NIH/NCI is an Equal Opportunity Employer

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**Cardiovascular Pharmacologist**

SmithKline Beecham Pharmaceuticals has an international reputation for taking an innovative approach to drug discovery and development. Our success is built on the collaboration of multidisciplinary teams of scientists who share ideas and expertise while working in top-flight facilities on projects that are challenging and diverse.

Currently, we are seeking an Associate Scientist in Cardiovascular Pharmacology to assist in applying cellular biochemical and molecular biology techniques for the identification of novel factors that regulate vascular smooth muscle and endothelial cell function.

This position requires a BS/BA/MS/MA in Biomedical Science, 3-5 years' relevant cardiovascular biology experience and a background in cell culture, molecular biology and computers. Experience with RNA isolation, Northern hybridization, Southern, PCR, DNA transfection and DNA sequencing techniques preferred. A working knowledge of vascular pharmacology with emphasis on endothelial and smooth muscle cell biology further qualifies you.

Based in our modern, state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation and benefits package. For confidential consideration, please submit your resume and the names of three references to: SmithKline Beecham Pharmaceuticals, Employment Administrator, H0210, PO Box 679, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

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**Penn State Faculty Positions in Biology**

The Department of Biology is building an interdisciplinary program in plant sciences and invites applications for two tenure track Assistant Professors beginning as early as January, 1995. We seek candidates with a commitment to excellence in teaching and research as well as an extensive molecular background, experience and excellence in sequencing, a major interest in gene regulatory mechanisms unique to plants, postdoctoral experience, and evidence of potential to develop an independent, vigorous, externally funded research program. Send letter of application, including statement of research and teaching interests, curriculum vitae, and names, addresses, and phone numbers of three references to: Linda Maxson, Box PS, Department of Biology, 208 Mueller Lab, Penn State University, PA 16802-5301. Evaluations will begin in August and will continue until positions are filled. An Affirmative Action/Equal Opportunity Employer. Women and Minorities encouraged to apply.

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**Chair in Psychiatry for the Elderly**

Applications are invited for this newly established Chair in Psychiatry for the Elderly from medical graduates registered or eligible for registration in Western Australia. In addition to appropriate professional qualifications, it is essential that applicants meet the accreditation requirements for Fellowship of the Royal Australian and New Zealand College of Psychiatrists or its equivalent.

The academic and administrative location of the Chair is in the University Department of Psychiatry and Behavioural Science, attached to the Sir Charles Gairdner Hospital - an adult teaching hospital.

The appointee is expected to contribute to undergraduate and postgraduate teaching, and to take a prominent leadership role in future psychogeriatric research, psychiatric clinical services and policy development in Western Australia.

The appointment is for five years, (subject to annual review for the first three years). An attractive remuneration package will be negotiated. Benefits include generous superannuation, study leave with travel assistance after three years, long service leave, fares to Perth for the appointee and dependents and an allowance towards removal expenses.

Intending applicants must obtain a selection package which includes the selection criteria and information about the position and conditions of employment, from Professor A Jablensky in the Department of Psychiatry and Behavioural Science, tel. [61] 9 389 2394; facsimile [61] 9 389 3828.

Applications, addressing the selection criteria, and stating full personal particulars (including work and home addresses, telephone and facsimile numbers), should reach the Director, Human Resources, The University of Western Australia, Nedlands, (Perth) Western Australia 6009 by Wednesday, 17 August 1994. The names, addresses and facsimile numbers of three referees should also be included with the application.

The University reserves the right to make no appointment or to fill the position by invitation.

The University is an equal opportunity employer and promotes a smoke-free work environment. Women are encouraged to apply for this position.
National Center for Human Genome Research
National Institutes of Health
Visiting Investigator Program

The Visiting Investigator Program provides faculty level scientists from outside the NIH with the opportunity to spend a 3-12 month period at the National Center for Human Genome Research (NCHGR) laboratories and clinics at the NIH. Visiting investigators can use their stay at the NCHGR to learn new technologies, develop research collaborations, or pursue sabbatical research projects. Basic and clinical genetic researchers and social scientists may access the Center’s laboratories, core facilities, clinics, and training programs for study in any area of human genetic disease, including the social implications of genetic research. Partial funding of salary support is available, as well as all funding for research related expenses while at the NIH. Project proposals extending to one year are preferred in order to enhance the possibility of accomplishing research objectives. Applications may be initiated by submitting: a curriculum vitae, a cover letter describing the proposed project to study or collaborative effort (including the time frame proposed to complete the study), and a supporting letter from the candidate’s department head (or equivalent). Applications are accepted throughout the year with the program commencing January 1, 1995. Applications for the cycle beginning January 1, 1995 must be received by September 1, 1994.

For Program application information or questions, contact:
Betty Wolf, Director
Visiting Investigator Program
NIH/National Center for Human Genome Research
Building 49, Room 4A28
9000 Rockville Pike
Bethesda, Maryland 20892
Tel: (301) 402-2012
Fax: (301) 402-2440
e-mail: wolfbe@helix.nih.gov

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This position requires a PhD and at least 6-10 years of postdoctoral experience with expertise in cellular and molecular biology and pharmacology; research experience in immunology and/or neurobiology; and a demonstrated record of achievement. In addition, management experience and a pharmaceutical or drug discovery research background are desirable.

Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. We are located in an attractive suburban area, approximately 30 miles north of Chicago. For confidential consideration, please send a resume and salary history to: Alison Burke, Job#: K65535, D-583, A&P6B, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

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These openings require strong communication, problem solving and analytical skills. In exchange for your expertise, Pfizer offers excellent compensation, attractive benefits including a relocation package, and opportunities for significant growth. For confidential consideration, send your resume to: Ms. Lynn Beaulieu, Employee Resources, Pfizer Inc., Central Research Division, Eastern Point Road, Groton, CT 06340.

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 TWO ASSISTANT PROFESSOR POSITIONS

The Department of Entomology at the University of Georgia invites applications for two tenure-track positions to begin September, 1995.

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Applications received by November 1, 1994 are assured of consideration. Applicants should arrange for four letters of reference to be sent to the appropriate committee. Apply by sending a curriculum vitae, list of publications, three selected reprints, brief statement of research and teaching interests, and four letters of reference (solicited by the applicant) to:

Insect Systematics Search Committee
Department of Entomology
University of Georgia
Athens, GA 30602-2603

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Positions require doctorates in environmental science, physics, engineering or chemistry from accredited universities; previous experience performing duties similar to those listed above, proficiency in FoxPro, Excel, Harvard and Freelance Graphics and Word 6.0 and demonstrable written/verbal communication and human relations skills. Previous publications, successful proposal preparation and prior industrial or technology transfer experience desirable. Salary commensurate with qualifications and experience. Excellent benefits package. Submit resume, one-page narrative describing how your qualifications meet position requirements and names, addresses and telephone numbers of three references to: Recruitment Office, Desert Research Institute, UCCN P.O. Box 19040, Las Vegas, NV 89132-0040.

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Virologist/Cell Biologist

You will be responsible for the establishment, validation and application of in vitro systems for propagation of viral pathogens and evaluation of viral replication, including both protein and nucleic acid readout systems, using both primary cells and transformed cell lines. This position will also involve development of techniques for viral antigen detection and viral neutralization assays, with an emphasis on development of vaccines for hepatotropic viruses.

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You will be responsible for immunological characterization of vaccine candidates including generation and characterization of monoclonal antibodies to viral antigen preparations (epitope mapping, fine specificity, affinity, and immunobiological properties). This position also involves oversight of small animal inmunizations and characterization of immunological responses including neutralizing and non-neutralizing humoral, ADCC and cellular responses (proiferative and cytotoxic) as well as comparative evaluation of immunological properties of alternative antigen and adjuvant preparations. Demonstrated expertise in immunoregulation or mucosal immunology favorably regarded.

Genelabs Technologies, Inc. has an excellent compensation program including our medical and dental coverage, stock plans, 401(k), 125(k), tuition reimbursement, bonus program, and much more. Please send your resume, indicating position of interest, to: Genelabs Technologies, Inc., Human Resources, 505 Penbrook Drive, Redwood City, CA 94063, or FAX (415) 368-0709. Equal Opportunity Employer.
**Director of the School of Environmental Studies**

Queen's University is establishing a School of Environmental Studies within the Faculty of Arts and Science. The School will assume responsibility for the Faculty's undergraduate Environmental Science Program. It will conduct environmental science research, foster collaboration among faculty in natural-science, social-science and humanities departments and in other Faculties and Schools, and promote teaching related to the environment, especially in the social sciences and humanities. It will be housed in Queen's new Biosciences Complex.

We are seeking candidates for the position of Director of the School. The successful candidate will have a strong research track-record and a demonstrated commitment to high-quality teaching in a natural-science discipline, with particular experience relevant to environmental science. The Director will be expected to provide intellectual and administrative leadership to a growing interdisciplinary enterprise.

The successful candidate will be appointed at a rank and salary commensurate with experience and qualifications to a tenure-track or tenured faculty position in the appropriate department (Biology, Chemistry, Geography or Geological Sciences), and will also be appointed Director of the School for a five-year term. The appointment will commence 1 July 1995. Applications, including a curriculum vitae, copies of recent scholarly publications, and the names of at least three persons who can provide letters of reference, should be sent to the above address by 1 October 1994.

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. Queen's University has an employment equity program, welcomes diversity in the workplace, and encourages applications from all qualified candidates including women, Aboriginal peoples, people with disabilities, and members of visible minorities.

Additional Information concerning this position and the School can be obtained from the Chair of the Search Committee:

Dr. John M. Dixon, Associate Dean
Faculty of Arts and Science
Queen's University
Kingston, Ontario, Canada K7L 3N6
Tel 513 545-2448
Fax 513 545-2067
e-mail DIXONJ@QUCDN.QUEENSU.CA

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**Mark Your Calendar for 23 September 1994:**

**SCIENCE's Annual Careers Issue**

On 23 September 1994 *Science* will present its annual Careers issue. Here's your chance to place your advertisement in one of the most important and popular issues of the year. Last year's Careers issue highlighted over 65 pages of career opportunities for scientists at all levels. The 1994 issue will once again rank as one of the top scientific career planning resources. You can be sure scientists at all levels will use the Careers issue to survey the job market and plan future career moves.

When you advertise in the 23 September issue you will receive:

- **Bonus Distribution**
  Copies of the 23 September issue will be distributed to over 2,000 attendees at each of the Biotechnology/Pharmaceutical Job Fairs in La Jolla, CA on September 23-24, and in Cambridge, MA on September 30-October 1.

- **Advertisers' Index**
  Full page advertisers will be listed separately on an index affixed to the covers of the issues distributed at the job fairs.

- **Harvey Readership Study**
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**Advertising Deadline:** 6 September 1994

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**Agracetus, Inc.**

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The Division of Preventive Oncology of the Ontario Cancer Treatment and Research Foundation (OCTRF), through its regional centres, provides a province wide system of cancer prevention, treatment, research and education. We are currently seeking a creative and innovative individual for the new position of...

**Director, Ontario Cancer Genetics Network**

This is a province wide network which will develop and evaluate new genetic tests for predisposition to cancer. The network includes the eight Regional Cancer Centres of the OCTRF, as well as facilities of the Division of Preventive Oncology, which include the Division of Epidemiology, the Ontario Breast Screening Programme and the Ontario Cancer Registry.

The successful candidate will possess an MD and/or PhD degree plus a minimum of 5-10 years related experience. The successful candidate should be an established scientist with research interests in one or more of the fields of molecular biology, genetic epidemiology, the clinical management and counselling of individuals who carry genes that predispose to cancer, or the ethical aspects of genetic testing.

Qualified applicants are invited to forward an updated curriculum vitae and the names of three referees as soon as possible to: Dr. N. F. Boyd, V.P. Division of Preventive Oncology, 620 University Avenue, Toronto, Ontario, Canada M5G 2L7.

In accordance with Canadian immigration requirements, preference will be given to Canadian citizens and permanent residents of Canada. Overseas candidates may also be considered.

**THE ONTARIO CANCER TREATMENT AND RESEARCH FOUNDATION**

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Molecular Tool, Inc. is a biotechnology company located in Baltimore, Maryland committed to the development and commercialization of highly integrated, DNA-based systems for the analysis of complex genomes and genetic loci. Together with key industry partners, Molecular Tool has embarked on a significant research and product development program for the near-term implementation of new large-scale DNA analysis systems and has an exciting opportunity for a Ph.D. Enzymologist to join its Biochemistry group.

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**ASSISTANT DIRECTOR/ASSISTANT SCIENTIST** for Center for Neurobiology and Immunology Research (CNIR) at the University of Kansas. Duties include assisting in coordination of CNIR interactions with private sector companies, promoting technology transfer to the private sector, supervising the day-to-day work of CNIR staff, and functioning as director of Tissue Culture/Hybridoma Laboratory.

**Required Qualifications:** Ph.D. in Neurobiology and Immunology; 2 yrs. postdoctoral experience in the biosciences, biotechnology or pharmaceutical arena; and experience in management of laboratory facilities and scientific personnel. Preferred: Experience as independent investigator in cell culture, monoclonal antibodies, neurotoxicity screening, protein purification, and/or cDNA cloning; experience in technology transfer to the pharmaceutical or biotechnology industry and business negotiations. Full time, 12 months, annually renewable position. Salary range: $45,000 to $50,000 plus fringe benefits. Submit CV, academic transcripts and three letters of recommendation by August 8, 1994 to Dr. E.K. Michaelis c/o Anette Lundsgaard, Higuchi Biosciences Center, University of Kansas, West Campus, 2099 Constant Avenue, Lawrence, KS 66047-2535. 913-864-5103. The University of Kansas is an equal opportunity/affirmative action employer.

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**University of Minnesota Cancer Center**

**Endowed Chair in Breast Cancer**

The University of Minnesota Cancer Center, in collaboration with the Departments of Medicine and Surgery at the University of Minnesota is establishing a new endowed faculty position in breast cancer research. The chosen individual will be named to the Tickle Chair in breast cancer. The individual will be responsible for providing leadership to the University's breast cancer program and developing innovative translational clinical programs in breast cancer detection, prevention and treatment. Candidates must have a medical degree, experience in medical or surgical oncology, and a proven record of high quality research (as shown by acceptance for publication in highly regarded journals). Candidates will be expected to develop a strong research program and to lead external funding. The academic appointment will be in a University department suited to the skills of the successful candidate. Strong emphasis will be placed upon the candidates' ability to interact with other members of the group, the Cancer Center and Department, and the University community. Teaching and advising will be done in the appropriate graduate program(s) and in the Department(s) in which the primary appointments are held.

Please send a curriculum vitae, a brief research statement, and three letters of recommendation to: Gordon Ginder, M.D., Chair, Search Committee, University of Minnesota Cancer Center, Box 806, 420 Delaware Street S.E., Minneapolis, MN 55455-0392, U.S.A. The last date for receipt of applications is November 1, 1994.

The University of Minnesota is an equal opportunity educator and employer.
POSITIONS OPEN

MOLECULAR BIOLOGIST. Research focus is on genes encoding membrane receptors, adhesion molecules, and key enzymes involved in transmembrane signaling, and synthesis/degradation of carbohydrates and lipids. Position requires (1) solid experience in cloning, characterization, and expression/transfection of genes in eukaryotic cells; and (2) close collaboration with other scientists on regulatory mechanisms of these genes for expression of receptors and enzymes involved in regulation of cell adhesion and transmembrane signaling. Salary and job title will depend on qualifications and experience. The Institute is affiliated with the University of Washington. Good fringe benefits. Send cover letter, curriculum vitae, and three reference letters to: Stephen Anderson, Ph.D., The Biomorphic Institute, 201 Elliott Avenue West #305, Seattle, WA 98119-4230. No telephone calls or faxes. Equal Opportunity Employer.

TERRESTRIAL ECOLOGIST

We seek an experienced ecologist to coordinate and conduct research and develop support for long-term ecological research at the Idaho National Engineering Laboratory. Universities assist in these activities. Candidates should have a Ph.D., success in obtaining support from federal agencies, excellent verbal and written communication, and experience with teams, programs, and grants. Applicants must have experience in a career that emphasizes research and development of ecological systems. A successful candidate will be responsible for coordinating and directing ecological research and development of ecological systems. Pay range is $15,000-$21,000. Send resume to: A. F. S. S. N. E. Laboratory, P. O. Box 430, Idaho Falls, ID 83405. FAX: 208-525-7036.

BIOCONTROL TECHNOLOGY, INC. The leader in non-invasive glucose measurement is seeking a BIOCHEMIST/BIOLOGIST/BIO PHYSICIST. The successful candidate will be responsible for characterizing, modeling, and understanding skin with special emphasis on the optical properties of skin. Candidates must have strong backgrounds in: NIR spectroscopy, physiology, chemistry, and experimental methods. In addition, the candidate should have a Ph.D. or equivalent and experience in one of the following areas: Optics, Monte Carlo Modeling, Diffuse reflection, Biochemistry, Raman spectroscopy, Biochemistry, and Physical Chemistry. Interested candidates should send: FAX: (412) 349-8610, or mail a cover, salary requirements, and resume to: Human Resources Department, 300 Indian Springs Road, Indiana, PA 15701. Equal Opportunity Employer. Male/Female/Disabled/Veterans.

POSTDOCTORAL RESEARCH ASSOCIATE IN MOLECULAR BIOLOGY position available August 1, 1994, for two years. The incumbent will work on protein gene expression in baculovirus vector systems, characterization of hormone receptors in insects and isolation and characterization of an insect specific virus. Salary: $15,000 plus benefits. Must be a U.S. citizen. Please send your curriculum vitae to: Dr. Ashok K. Raina, Bldg. 206, Room 313, B.A.R.C.-East, Beltsville, MD 20705-2350. Telephone: 301-504-9396.

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