

NEW PRODUCTS

Ligand Binding Module for

**SigmaPlot
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Chicago, IL

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www.spssscience.com/index.cfm

BINDING MODULE

Fundamental processes, such as gene expression, neurotransmitter action, immune response, and cell signaling, all involve molecular complexation as a central feature. Pharmaceutical compounds exert their

effects (both therapeutic and adverse) through subverting the activity of natural ligands. Therefore, the quantitative measurement of ligand binding has become an important tool in both the fundamental and applied biosciences. Experimentally, many methods have been developed to measure these interactions. The extraction of parameters that characterize the interaction is achieved through fitting experimental data to a particular binding model.

Most life scientists will have used Scatchard Plots during their career, graphs that represent an early approach to data fitting via linearization of a particular class of binding models. More recently, the advent of fast and easy-to-use programs for both graphical display and nonlinear regression has meant that a much wider range of binding models and parameters can now be analyzed and derived. In principle, any nonlinear regression program could be used to analyze binding data, but the wide choice of binding models has tended to restrict the range of "home brewed" analyses to the simplest examples.

The introduction of the Ligand Binding Module for the well-established graphing and analysis program SigmaPlot greatly simplifies the task of data fitting for a whole range of binding models. This program can be downloaded from the SPSS Web site and is easily installed into the SigmaPlot folder, making it accessible via the Macros tool. The recently released version of SigmaPlot (version 8) includes the Ligand Binding Module; this review, however, is based on the downloaded module running in version 7.

A range of common binding equations is provided in the program. These include one- and two-site saturation (with or without nonspecific binding), competitive binding, and sigmoidal and logistic fits of data. Replicate data can be included, and multiple binding curves can be analyzed and displayed simultaneously. If one's favorite model isn't in the predefined list, then those binding equations can be modified or new ones can be created. Once the fitting is complete, the module generates both a graphical output showing the original data and the best fit lines. It also generates a statistical report that gives the best fit parameters, 95% confidence limits, correlation coefficients, and other statistical measures. The competitive binding equations also allow the user to enter values for the ligand dissociation constant and concentration so that competitor dissociation constants can be automatically calculated.

The Ligand Binding Module is well integrated into the program, and the familiar "notebook" style of organizing work makes it easy to use with SigmaPlot's other features, such as alteration of the appearance of the graphs, batch processing of Excel files, or the creation of one's own equations with the regression wizard. Ligand Binding Module is an excellent addition to SigmaPlot.

—Tony Cass

Department of Biological Sciences, Biochemistry Building, South Kensington, London SW7 2AY, UK. E-mail: t.cass@ic.ac.uk

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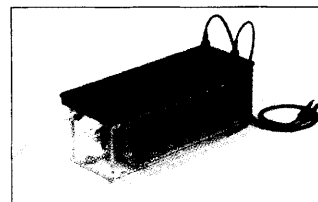
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CONTINUED ON PAGE 2252

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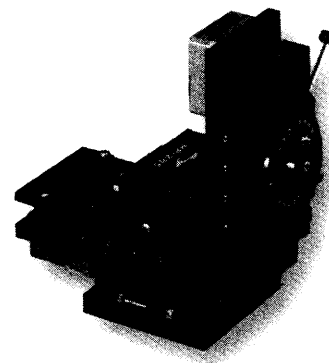

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POSITIONS OPEN

ASSISTANT PROFESSOR

University of Missouri

A tenure-track position is available in the area of pathobiology or mammalian genetics in the Research Animal Diagnostic Laboratory (RADIL). Candidates with a wide range of expertise including pathology, molecular or population genetics, the genetic basis of disease, reproductive biology, creation of transgenic or knockout animals, and immunology will be considered. Established research programs in infectious disease, cryopreservation, and animal models of human disease exist in the RADIL. The RADIL is one of four Mutant Mouse Research and Resource Centers nationwide and the only Rat Resource and Research Center. These Centers are funded by the NIH and serve as international repositories for genetically altered rodent models. Similar centers are being developed for swine and nonhuman primate animal models. These Centers offer tremendous opportunities for the candidate to be involved in characterization of unique animal models for human diseases and to develop enhanced methods for creation/characterization of new models. The successful candidate will be expected to develop an extramurally funded research program, participate in graduate and postdoctoral training, and be involved in diagnostic and/or genetic evaluations of laboratory animals. Applicants should possess a Ph.D., D.V.M., and/or M.D. degree. Interested individuals should send curriculum vitae, a statement of goals, and names and contact information of at least three references to: **Dr. Lela Riley, E111 Veterinary Medicine, University of Missouri, Columbia, MO 65211. Application review will begin August 15, 2002, and continue until a suitable candidate is identified.**

The University of Missouri is an Equal Opportunity institution and complies with the guidelines of the Americans with Disabilities Act of 1990. If you have special needs as addressed by the ADA and need assistance with this or any portion of the application process, notify us at the above address as soon as possible. Reasonable efforts will be made to accommodate your special needs.

Applications are invited for a **TENURE-TRACK FACULTY POSITION** in the Department of Neurological Surgery at the University of Wisconsin Medical Center. Applicants will have a Ph.D. in a biological or physical science and appropriate postdoctoral training. Research emphasis will be in oncology, cerebrovascular, neurobiology with an emphasis in molecule biology or neurogenesis, or in biomechanics or electrophysiology. The faculty member will be expected to develop an independent, extramurally funded research program and to collaborate and interact with Clinician Scientists and other faculty within and outside the Department; participate in department teaching activities; and perform university and community service as appropriate.

Salary and start-up package will be commensurate with experience. Please send curriculum vitae, summary of research plan, and the names of at least three references to:

**Robert J. Dempsey, M.D., Chair
Department of Neurological Surgery
University of Wisconsin Medical Center
600 Highland Avenue
Madison, WI 53792-3232**

The Department of Pharmacology and Toxicology on the Medical College of Virginia campus of Virginia Commonwealth University seeks applications for a collateral **RESEARCH or POSTDOCTORAL ASSOCIATE**. Primary responsibility will be to conduct immunotoxicological research on the ability of drugs and chemicals to affect the immune system. Candidate must have a Ph.D. in pharmacology, toxicology, microbiology, or immunology and documented work in the field of immunotoxicology. Send curriculum vitae, statement of interests, and list of three references by July 31, 2002, to: **Search Committee (F0851), P.O. Box 980613, Richmond, VA 23298-0613.** Position description available. *Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer and encourages women, minorities, and persons with disabilities to apply.*

POSITIONS OPEN

BASIC SCIENCE FACULTY POSITION

University of Michigan

Department of Ophthalmology and Visual Sciences

The Department of Ophthalmology and Visual Sciences at the University of Michigan is seeking applications for a tenure-track position from Scientists who use vertebrate models to investigate fundamental cellular and neural mechanisms that contribute to visual processing. We are particularly interested in individuals with research interests and experience in electrophysiology, although those working in psychophysics, eye movements, and developmental neurobiology will also be considered. Candidates must have postdoctoral experience in neuroscience. The Department anticipates making an appointment at the level of **ASSISTANT PROFESSOR**. Applications from senior Scientists with productive and funded research programs will also be considered. The successful candidate will be expected to establish and maintain a robust, NIH-funded program of research and seek opportunities for collaboration with departmental colleagues. The Department has a tradition of outstanding basic research and formal ties to basic science departments in the University through joint appointment of its faculty (see website: <http://www.kellogg.umich.edu>).

Applicants should send curriculum vitae, statement of research interests and plans, and contact information for three references to: **Daniel G. Green, Ph.D., University of Michigan Kellogg Eye Center, Department of Ophthalmology and Visual Sciences, 1000 Wall Street, Ann Arbor, MI 48105.**

The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSORS

Cell Biology and Developmental Genetics

The Department of Biological Sciences at Marshall University has immediate openings for two tenure-track Assistant Professors in the areas of cell biology and developmental genetics. An earned Doctorate in a relevant field and postdoctoral training are required. Successful candidates are expected to contribute to teaching of undergraduate and graduate students and supervise an independent research program that will attract external funding. Each position has a competitive salary and an excellent guaranteed start-up package; additional information can be found at website: http://www.marshall.edu/biology_positions.asp. These positions are part of growing interdisciplinary research in biomolecular sciences in the College of Science and School of Medicine. Send curriculum vitae, statements of research experience and plans, teaching experience and interests, and three letters of reference to: **Search Committee, Department of Biological Sciences, Marshall University, 1 John Marshall Drive, Huntington, WV 25755.** Review of applications will begin on July 1, 2002, and continue until the positions are filled. *Marshall University is an Equal Opportunity/Affirmative Action Employer and strongly urges application by women and minorities.*

PHARMACOLOGIST

The Division of Clinical Pharmacology and Therapeutics in the Department of Pediatrics, University of Pennsylvania School of Medicine, invites applications for a research-track faculty position at the Assistant or Associate Professor level. Applicants must have an M.D., Ph.D., or a Pharm.D. with advanced education and training. Experience in laboratory and/or clinical pharmacokinetics including population modeling is sought. Competitive salary and start-up packages are available. Rank will be determined by experience and qualifications. Send curriculum vitae, a brief description of research accomplishments, future research and career goals, and the names of three references to: **Peter C. Adamson, M.D., Division of Clinical Pharmacology, ARC 907B, Children's Hospital of Philadelphia, 3615 Civic Center Boulevard, Philadelphia, PA 19104-4318.** *The University of Pennsylvania is an equal opportunity, affirmative action employer. Women and minorities are encouraged to apply.*



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Candidates will need a high level of scientific skill and achievements in either basic or clinical science and will be able to demonstrate a record of managerial experience and success.

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For more information please refer to our advisor's website at WWW.SAXBAM.COM/ARC using reference BWCA/S or, for a hard copy, call +44 (0)1233 214 529 (8am-10pm 7 days a week) quoting reference BWCA/S **not later than 4 July 2002**.

Applications will close on 11 July 2002. The Wellcome Trust website can be found at WWW.WELLCOME.AC.UK.



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Jim Keady
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Protein Biochemist/Expression (Job Code DB-2): Primary responsibilities will include discovery and development of insect resistance traits by performing expression and purification of recombinant proteins, and their subsequent biochemical characterization using current analytical techniques. The candidate should be experienced in expression of both soluble and membrane bound proteins in prokaryotic, eukaryotic and cell-free expression systems and use of protein analysis software. Previous experience with expressed mRNAs and cloned cDNAs in insect cells or other heterologous systems, as well as familiarity with basic molecular cloning techniques, is essential. Experience in the application of these techniques in drug (or pesticide) discovery will be advantageous. Qualified candidates must have a Masters degree with a minimum of 3 years research experience or a Bachelors degree with a minimum of 5 years research experience.

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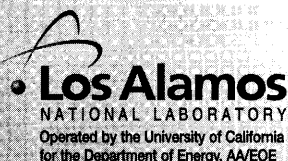
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Requirements: Demonstrated experience leading complex technical programs or projects, including coordination and teaming across organizational boundaries. Demonstrated successful experience in program development, advocacy, negotiations, strategic planning, resource planning and allocation. Proven entrepreneurial skill in developing technical research programs that attract financial support from the Department of Energy and/or similar sponsors. Record of effective oral and written communications, and outstanding scientific reputation, as demonstrated by refereed technical publications and invited papers at major conferences. Demonstrated commitment to the goals of ensuring the health and safety of workers and the public, environmental protection, workforce diversity, and employee development. Ph.D. in science, computational science, or engineering, or equivalent combination of education and experience. Ability to obtain a DOE "Q" security clearance, which usually requires U.S. citizenship.

To Apply: Submit a comprehensive resume and cover letter addressing each of the stated job requirements referencing job #5SCIENCE-202215 via email to jobs@lanl.gov. Please mail an additional hard copy to Portia Blackman, Human Resources, MS D446, Los Alamos National Laboratory, Los Alamos, NM 87545



www.lanl.gov/jobs



Sensor Research and Development Corporation

Sensor Research and Development (SRD) Corporation has openings on two multi-disciplined teams focused on developing solid state sensors for the detection of chemical and biological agents.

PhD Microbiologist/Biochemist for a team focused on sensors to detect pathogenic organisms and the presence of infectious disease in animals and humans.

The position requires:

- PhD in microbiology with interests and training in microbial pathogenesis
- Knowledge of modern molecular biology and biochemical experience in isolating and characterizing proteins from microorganisms

PhD Polymer Chemist to join a team developing sensors for the detection of airborne chemical warfare agents.

The position requires:

- Ph.D. with a strong background in modern polymer chemistry and graduate/ postgraduate training or experience in molecularly imprinted polymers (MIPs)
- Ability to work with engineers to incorporate MIPs into prototype sensors

SRD offers a full range of benefits including dental, health, 401k and profit sharing. Send your resume and three references (with contact information) to: biochemist@srcorp.com

Sensor Research and Development Corporation is an Equal Opportunity and Affirmative Action Employer.

MUSC MEDICAL UNIVERSITY OF SOUTH CAROLINA

Tenure Track Faculty Positions Department of Cell and Molecular Pharmacology Medical University of South Carolina Charleston, South Carolina

The Department of Cell and Molecular Pharmacology at the Medical University of South Carolina seeks applicants for new tenure track faculty positions. Applicants at the Assistant Professor level are preferred, but appointments at the Associate Professor level will be considered for applicants with independent, funded research programs. Candidates are sought, in particular, to complement existing research programs of the department in cell signaling, cancer biology, cardiovascular pharmacology, and toxicology through the application of pharmacogenomics, bioinformatics, or molecular modeling; but applications will be considered in all fields. New faculty will have access to competitive salary and startup funds and benefit from protected time for the establishment of a nationally competitive research program.

The department provides teaching to multiple colleges within the university, and all faculty are expected to participate in both professional and graduate education as well as maintain an active research program. The Medical University of South Carolina is a rapidly growing research environment. Extramural research support has consistently increased over the past 10 years, topping \$123 million last year. Major research centers include the Hollings Cancer Center, Gazes Cardiovascular Research Institute, Neuroscience Institute, Children's Research Institute, Center for Aging, and the Center for Advanced Imaging Research. New program development is underway in Structural Biology, Bioinformatics, and Bioengineering. State-of-the-art research facilities include x-ray crystallography, mass spectrometry, proteomics, microarrays, functional imaging, and confocal microscopy. The Charleston area provides an outstanding quality of life in a historic coastal community offering excellent opportunities in the arts, sports, recreation, and cuisine.

Please send a curriculum vitae, statement of research interests, and three letters of recommendation addressing both research and teaching potential to: **Pharmacology Search Committee, c/o Jerry G. Webb, Ph.D., Department of Pharmacology, Medical University of South Carolina, 173 Ashley Avenue, Charleston, SC 29425.**

<http://www2.musc.edu/pharm/pharm.html>

The Medical University of South Carolina is an Affirmative Action/Equal Opportunity Employer.

GPC Biotech is a transatlantic biotech company committed to finding pharmaceutical solutions using genomics and proteomics.

SCIENTISTS

We are seeking scientists to develop novel cell based assays for the identification of extracellular ligands. In addition, we have positions available for the development of screens designed to detect protein-protein interactions in mammalian cells. The ideal candidates will be proficient in molecular biology and will have broad knowledge of mammalian cell biology. Experience with cellular and in vivo disease models is a plus. The successful candidates will be expected to work independently and as part of a team. These positions require a Ph.D. and minimum of 3 years' postdoctoral experience. Industry experience is desirable but not required. **Job Code: SJG02**

GPC Biotech Inc., offers competitive salaries, benefits and a chance to work in an exciting scientific environment. Please send your resume to: **Human Resources, GPC Biotech Inc., 610 Lincoln St., Waltham, MA 02451; Email: hr.waltham@gpc-biotech.com; Fax: 781-890-9005.**



GPC biotech

visit our web site
@ www.gpc-biotech.com

Job Title: Writer**Location: New York, NY****Reports to: Editor, IAVI Report newsletter**

The IAVI Report newsletter, a leading source of information on worldwide efforts to develop an AIDS vaccine seeks an HIV scientist to complete a 4-person group within the International AIDS Vaccine Initiative (IAVI) in New York. IAVI is a fast-growing non-profit organization whose mission is to ensure the development of a safe and effective AIDS vaccine and to ensure that it reaches all people who need it, even in the world's poorest regions.

The IAVI Report covers the latest scientific research as well as the political, economic, social and ethical issues associated with this fast-growing field. Published six times per year, the newsletter reaches about 8000 subscribers in 130 countries and an expanding online readership, ranging from researchers and health care workers to policy makers, community advocates and journalists.

We are looking to expand our reporting and writing capacity, and have an immediate opening for a scientist who knows the field well and can contribute to our coverage of the latest research. The Writer will produce articles and help develop story ideas for the IAVI Report newsletter. Key responsibilities will include:

- Write articles ranging from reports on scientific conferences to features on research trends and interviews with important players in the field
- Contribute to special issues focusing on specific areas within AIDS vaccine development or specific regions of the world
- Help develop ideas for articles and for the overall direction of the newsletter
- Help gather information on newly-published research papers and other developments in the field
- Work with Editor and project staff to maintain and develop the organization's database on AIDS vaccine clinical trials

The qualified candidate must have excellent scientific knowledge of the AIDS vaccine field, with at least five years experience. Excellent writing skills are a must, but prior journalism experience is not required. Selected candidates will have a demonstrated ability to: quickly grasp what is important and convey it clearly and concisely; be able to meet deadlines while maintaining parallel projects and assignments and; be comfortable and diplomatic when working with diverse colleagues or conducting interviews in multicultural settings. A Ph.D. or equivalent experience in an AIDS-related field is required; previous international experience (living/study abroad) is a plus. Salary will be commensurate with experience. We offer a stimulating environment at the cutting edge of a multi-faceted field, a business-casual dress code and a collegial, team-oriented work atmosphere.

To Apply: Send resume, cover letter and 2-3 writing samples (e.g., thesis introduction, research proposal or summary) to: **Director, Human Resources - International, AIDS Vaccine Initiative, 110 William St., New York, NY 10038; fax: 212-847-1112; email: jrencher@iavi.org.** No phone calls please.

The International AIDS Vaccine Initiative is an Equal Opportunity Employer.

CHAIR

Department of Immunology

St. Jude Children's Research Hospital (SJCRH), a premier center for biomedical research, is seeking a visionary leader to expand new initiatives and research programs for the Department of Immunology. The Department is currently undergoing a major expansion, and the new Chair will direct this process by recruiting several new faculty and building on the current strengths of the Department. Under the leadership of the Nobel Laureate, Dr. Peter Doherty, the Department has attracted highly competitive research programs on immune cell signal transduction, immunodeficiencies, T-cell and humoral immune responses to viruses and vaccine development. The Department of Immunology now occupies state-of-the-art laboratories in a newly constructed Integrated Research Center. The Chair of Immunology is an endowed position.

Immunology at SJCRH is a crucial component of the ongoing expansion of SJCRH's research environment, which has recently included the formation of the Children's Infection Defense Center (CIDC), a Department of Structural Biology, expansion of the Cancer Center, development of the Hartwell Center for Bioinformatics and Biotechnology, and expansion of programs in genetic diseases. A major strength of the Institute is highly productive interactions between existing research disciplines, which allows faculty of the Immunology Department to collaborate with investigators from other Departments including Biochemistry, Developmental Neurobiology, Hematology/Oncology, Infectious Diseases, Molecular Pharmacology, Pathology, Pharmaceutical Sciences, Structural Biology, and Genetics and Tumor Cell Biology. Outstanding core facilities support all research programs of the Institution. A Good Manufacturing Practices (GMP) facility is also nearing completion and will provide capabilities for the development and on-site production of vectors, vaccines, antibodies, and small molecule therapeutic agents.

SJCRH is a clinical and basic research institute that focuses on the causes and treatment of catastrophic childhood diseases including cancer, infectious diseases and genetic disorders. Founded by Danny Thomas in 1962, the hospital currently includes 180 basic and clinical faculty organized within a traditional academic environment. SJCRH continues to receive support through the fundraising efforts of the American Lebanese Syrian Associated Charities (ALSAC).

Candidates should have a Ph.D. and/or M.D. degree, a highly competitive research program, an international reputation and a distinguished record of scholarly achievement. Applicants should send a letter of interest and include a curriculum vitae, a brief discussion of scientific goals and the names of three references to:

IMMUNOLOGY SEARCH COMMITTEE
c/o John L. Cleveland, Ph.D., Chair
Department of Biochemistry
332 N. Lauderdale
St. Jude Children's Research Hospital
Memphis, TN 38105

St. Jude Children's Research Hospital is an
Equal Opportunity/Affirmative Action Employer.

www.stjude.org



Stowers Institute Postdoctoral Program

The Stowers Institute seeks more effective means of preserving health and preventing disease through basic research on genes and proteins that control fundamental processes of cellular life. The Institute offers fellowships for postdoctoral research training in state-of-the-art laboratories headed by outstanding scientists who work at the bench alongside their team members. Among the Mentors are:

Robb Krumlauf, Ph.D.
Regulatory pathways in the developing brain & nervous system

Peter Baumann, Ph.D.
Telomeres in aging and cancer

James Coffman, Ph.D.
Genomic regulatory systems in sea urchin embryogenesis

Joan Conaway, Ph.D.
Mechanism and regulation of transcription by RNA polymerase II

Ron Conaway, Ph.D.
Molecular mechanism and regulation of gene transcription

Chunying Du, Ph.D.
Control of apoptosis in mammalian systems

Jennifer Gerton, Ph.D.
Mechanisms ensuring fidelity of chromosome distribution

Scott Hawley, Ph.D.
Control of meiotic chromosome behavior in Drosophila

Linheng Li, Ph.D.
Regulatory networks in hematopoietic stem cell development

Olivier Pourquié, Ph.D.
Regulation and timing of vertebrate segmentation

Paul Trainor, Ph.D.
Tissue interactions regulating cranial and facial development

Ting Xie, Ph.D.
Molecular regulation of germline stem cells in Drosophila and mouse

Arcady Mushegian, Ph.D.
Computational analysis of genes and proteins

Brian Sauer, Ph.D.
Biochemical genetics of the Cre/lox system: gene targeting in mice

More information may be found at:

www.stowers-institute.org

The Stowers Institute is committed to equal opportunity in all its programs.



**St. Jude Children's
Research Hospital**

ALSAC • Danny Thomas, Founder

POSTDOCTORAL POSITION (REQ #1566)

A postdoctoral position is available immediately for a recent Ph.D. graduate to join a productive group studying insulin-like growth factor signaling, and mTOR as a target for cancer therapy (*J. Biol. Chem.* 277: 13907-13917, 2002; *Cancer Res.* 61: 3373-3381, 2001; *Science* 277: 99-104, 1997). The applicant should have sound training in molecular/cell biology or biochemistry. Send a curriculum vitae with names of three references, indicating REQ #1566, to:

Peter J. Houghton, Ph.D.
**Department of
Molecular Pharmacology
MS #230
St. Jude Children's
Research Hospital
332 N. Lauderdale Street
Memphis, TN 38105-2794**

*SJCRH is an Affirmative Action/
Equal Opportunity Employer.*



Director of Oncology Research

CEPTYR, Inc., located in the Seattle Metropolitan area, is a growing biotechnology company focused in the field of signal transduction on the discovery of pharmaceuticals for treatment of cancer, metabolic disorders and inflammatory diseases using protein tyrosine phosphatase (PTP). CEPTYR is seeking candidates for the new position of Director of Oncology Research. Candidates, who work well in a multidisciplinary team environment, are creative, and display excellent analytical and communication skills are encouraged to apply.

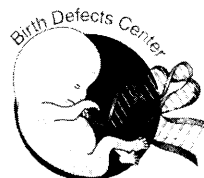
The successful candidate will be responsible for directing the oncology related research activities of the lead development, product improvement, discovery and target validation project teams. This person will lead and organize the efforts of interdisciplinary teams to identify and validate new targets for drug development in oncology and to assess the efficacy and selectivity of drugs in cell-based and animal models. This individual may also be involved in preclinical studies and/or participate on clinical project teams as interest and expertise may allow.

Qualified candidates will have a Ph.D. or M.D. in a scientific discipline or equivalent with a minimum of 8 years relevant scientific research experience and preferably at least 2 years' experience managing scientific staff in an industry environment. The individual must be a recognized leader in the oncology field with sustained performance, accomplishments, and a strong record of publications in tumor cell biology or related fields. The individual must have demonstrated expertise in technical proficiency, scientific creativity, collaboration with others and show independent thought.

CEPTYR, Inc., is a privately held company. Its investors include many of the major venture capital and start-up funds, such as Falcon Technologies, Cascade (Bill Gates Investments), Archventure, Lombard Odier, GeneChem and Tredegar.

CEPTYR offers an excellent compensation and benefits package, including stock options. For consideration, please send your c.v./resume and references to us at career@ceptyr.com or by fax to 425-485-9026. Our address is: **Human Resources, CEPTYR, Inc., 22215 26th Ave. SE, Bothell, WA 98021. www.ceptyr.com.**

CEPTYR is an Equal Opportunity Employer.



UNIVERSITY OF LOUISVILLE BIRTH DEFECTS CENTER

<http://www.louisville.edu/dental/bdc/bdc.htm>

RESEARCH ASSOCIATE

Research associate or postdoctoral position available in an interactive research group to investigate molecular, molecular genetic and/or cellular signal transduction mechanisms of vertebrate development. Specific areas available for investigation include: genomic/proteomic analysis of growth factor-mediated signal transduction; laser capture microdissection of embryonic stem cells; microarray gene expression profiling; transcriptional regulation of embryonic gene expression; developmental/reproductive toxicology; molecular determinants of normal and abnormal development. Background in molecular/molecular genetic methodologies, cell or developmental biology preferred. Salary commensurate with past relevant experience.

Applicants should submit: (1) curriculum vitae, (2) statement of current research activities, and (3) names of three references to: **Dr. M.M. Pisano Laboratory of Molecular Craniofacial Development, Birth Defects Center, University of Louisville, 501 S. Preston Street, Suite 301, Louisville, KY 40292. E-mail: Pisano@Louisville.edu**

*The University of Louisville is an EEO/AA Employer.
Women and minorities are encouraged to apply.*

Department of Health
and Human Services
National Institutes of Health

National Institute of Mental Health

The National Institutes of Health, National Institute of Mental Health, is seeking a talented scientist to advance and direct the extramural grant support of basic research in emotion, motivation, and mood. The position of **Chief, Emotional Processes Program (GS-13/14, \$66,229 - \$102,965** (salary includes special pay for Medical Officers), is located in the Behavioral Science Research Branch, Division of Neuroscience and Basic Behavioral Science, NIMH. The position offers broad exposure to current issues related to the study of emotion and scientific engagement with the research community. Qualifications include a doctorate in a relevant behavioral science discipline as well as appropriate research experience. In addition to knowledge of emotional processes from behavioral and psychosocial perspectives, familiarity with psychobiological and neural approaches is an asset. The full range of Federal fringe benefits/vacation and sick leave is included. Interested candidates should contact: Personnel Management Branch, NIMH, 301-443-9094. A copy of the full text vacancy announcement is available via the World Wide Web: <http://www.nimh.nih.gov/orm/pmb/nimhjobs.cfm>. Please refer to announcement number **NIMH-02-0103**. Applications must be post-marked by the closing date of August 15, 2002 and received within five business days of the closing date. Equal Opportunity Employer. U.S. Citizenship is required.



**Genetic Epidemiology
Tenure-Track Investigator
Mood and Anxiety Disorders Program
National Institute of Mental Health
Bethesda, MD, USA**

The Section on Developmental Genetic Epidemiology, Experimental Therapeutics and Pathophysiology Branch in the Mood and Anxiety Disorders Program at the National Institute of Mental Health, Intramural Research Program, is recruiting a scientist for a tenure-track position to develop research in genetic epidemiology in a new cross-institute program in neurogenetics. The candidate will have the opportunity for collaboration with scientists in diverse research areas in genetics (i.e., genetic epidemiology, biostatistics, statistical genetics, molecular genetics), as well as neuroscience and relevant clinical disciplines. The candidate should have an M.D. or Ph.D. in (1) epidemiology; (2) genetic epidemiology; (3) human genetics; or (4) psychology. In addition, the applicant should demonstrate significant experience in the design, implementation and/or analysis of genetic epidemiologic studies of complex diseases. This position includes an attractive start-up package and operating budget in an exciting multidisciplinary research environment. Preference will be given to candidates with a background and interest in complex disorders, particularly neuropsychiatric disorders. Applicants should send a curriculum vitae, statement of research interests, and three letters of recommendation to Dr. Kathleen Merikangas (kathleen.merikangas@nih.gov), Search Committee, National Institute of Mental Health, 15 K North Drive, MSC#2670, Bethesda, MD 20892, by November 1, 2002.

NIH is an equal opportunity employer



A Legacy of Excellence A Future of Promise

Welcome to DNAX, an established biotechnology company located within the San Francisco Bay Area Biotechnology sector, adjacent to Stanford University. Built on world-class research by legendary scientists, we are now leveraging our legacy of excellence in our new mission as an innovative drug discovery enterprise. Our rich history and distinguished reputation for basic research in the fields of immunology and oncology serve as the fulcrum to our exciting future. Join us as we pursue our vision to *translate high quality science into innovative medicines*.

Postdoctoral Fellowships are an integral component of the DNAX research program. DNAX Fellows come from different parts of the world to work in our rigorous research environment. Fellows are encouraged to publish and to participate in scientific meetings. The program provides full financial support and generous benefits, and creates future career opportunities in both academics and biotechnology. Positions are currently available in the following laboratories:

Edward Bowman, Ph.D. You will study novel molecules and mechanisms underlying skin inflammation and healing, focusing on communication between cutaneous fibroblasts/epithelial cells and the immune system. You should have strong knowledge of epithelial and/or mesenchymal cell biology. An interest in immunology is preferred.

Kevin Moore, Ph.D. You will focus on novel receptor-ligand interactions within the TNF-family and Ig-superfamily of molecules. Experience with *in vitro* and *in vivo* cellular immunology techniques is preferred, and you should have an interest in learning state-of-the-art cloning, expression and bioinformatics techniques.

Rene de Waal Malefyt, Ph.D. This project aims to characterize the biological activities of novel cytokines, including the IL-12 structural homologue IL-23. You should be familiar with cell separation techniques and FACS analysis. The ideal candidate will have experience in human immunology or Scid-hu technologies.

Joseph Phillips, Ph.D. You will identify and characterize novel cell surface receptors that regulate Mast cell biological responses. You must have a strong background in molecular and cellular immunology and be capable of undertaking *in vivo* models.

Backed by the powerful resources of Schering-Plough Corporation, DNAX has the infrastructure and reach to succeed and compete in a global commercial arena. In addition to an attractive compensation and benefits package, we offer a free and open atmosphere that allows individual research interests and collaborative research programs to not only co-exist but create bigger opportunities as well. Please send a *curriculum vitae*, the names of three references and a one-page statement of research interests to: DNAX, Human Resources Department, 901 California Avenue, Palo Alto, CA 94304-1104; fax: (650) 496-6520; e-mail: hr@dnax.org. EOE.

For more information, visit our website.

www.dnaxresearch.com



RENOVIS is a biopharmaceutical company focusing on neurological and psychiatric diseases and disorders. We use a combination of novel genomics and cell-based assay technologies coupled with expertise in neurobiology to discover validated targets and develop small molecule and protein therapeutics. We currently seek a versatile executive to lead our Molecular Biology Department in South San Francisco.

HEAD OF MOLECULAR BIOLOGY

As head of the Molecular Biology Department, you will be responsible for providing a strong and active leadership role and guiding the overall strategic and tactical scientific activities of the Department. Your primary duties will include directing the team in the development and analysis of molecular data for gene and protein functionality; leading the generation and interpretation of data for target validation and lead selection; collaborating with other departments to streamline target discovery and validation; and evaluating, selecting and implementing new technologies for cell-based screening. You must possess a PhD in a biological discipline (focus in Molecular Neurobiology preferred), 6+ years of industry experience in drug discovery, including target validation, and 3+ years of experience leading and managing scientific staff. Excellent leadership, communication, team-building, and resource management skills are a must. Proven success producing viable therapeutic targets using molecular biology, biochemistry, and *in vivo* and *in vitro* modeling techniques is required. Experience as a team member presenting to potential corporate partners is required. Skill and experience with high throughput technology, mouse transgenic systems and cell-based assay development is strongly desired.

For more information on this position and others, please visit our website. In addition to a competitive salary and excellent benefits, we offer equity participation. Please email your resume, cover letter and salary history, indicating Job Code HMB-SCI, to recruiting@renovis.com, or mail to Renovis, Inc., Attn: Human Resources, 270 Littlefield Avenue, South San Francisco, CA 94080. EOE

www.renovis.com

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One of a kind drugs Once in a lifetime opportunity

We are a Maryland-based biotechnology firm known for developing and marketing innovative healthcare products. From organ transplantations, to cancer, to a spectrum of infectious and autoimmune diseases – we are there, searching for ways to improve the quality of human life.

Veterinary Pathologist

You'll have full control in the development and maintenance of an independent research program for drug discovery and mechanistic evaluation of diseased cells and tissues. This involves interpreting morphologic and clinical pathology data from *in vitro* and *in vivo* study of samples, as well as the integration of pathology data and presentation of data and results in support of safety profile of drugs. You must have a D.V.M., Ph.D. and ACVP certification, along with an understanding of related technical principles, theories and concepts and the ability to work with a team. **Job Code: 2550-007**

To reply, send resume, with job code, to:
MedImmune, Inc., HR Department,
35 West Watkins
Mill Road,
Gaithersburg, MD
20878. Fax: 301-
527-4215. E-mail:
JobOpenings@medimmune.com



MedImmune, Inc.

EOE

www.medimmune.com



POSTDOCTORAL FELLOW IN MOLECULAR VIROLOGY Mayo Clinic Molecular Medicine Program Rochester, Minnesota, U.S.A.

The consequences of cell entry through different receptors for measles virus pathology and immune suppression will be studied. Based on the results of these studies, strategies for the development of new vaccines and for therapeutic applications of recombinant viruses will be implemented. The project is NIH funded; the position is available immediately. Experience in immunology and animal experimentation is preferred.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Rochester, MN is consistently rated as one of the best places to live in the U.S. Mayo Clinic is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment. For further information please visit <http://www.mayo.edu/research>.

Applications, including curriculum vitae and bibliography, summary of past accomplishments, and the names of three references should be sent to:

Prof. Roberto Cattaneo, Ph.D.
Mayo Graduate School, Molecular Medicine Program
Guggenheim 18-42B
200 First Street SW
Rochester, MN 55905, USA

More details: http://researchweb.mayo.edu/people/3/34668_cattaneo/
References: *J. Virol.* 75:2087; 75:3343; 76:4172 / *EMBO J.* 21:2364.

Mayo Foundation is an Affirmative Action and
Equal Opportunity Employer and Educator.

Assistant/Associate Professor Position in Pathobiology of Genetically Modified Animals The Ohio State University

The Ohio State University, Department of Veterinary Biosciences, is seeking a tenure-track faculty person with interest/expertise in the pathobiology of genetically modified animals and a strong research background. A PhD degree and a commitment to graduate education are essential. Candidates should have a proven record or demonstrated potential of attracting extramural research funds. A DVM degree and specialty training in a discipline such as pathology, laboratory animal medicine, toxicology, or microbiology are preferred. Responsibilities will include (1) developing an extramurally funded, independent research program, (2) acting as a resource to University researchers using genetically modified animals based on area of specialty training, and (3) teaching in the graduate and professional curricula. The College of Veterinary Medicine is a member of the most comprehensive Health Sciences Center in the United States, which includes the Colleges of Medicine, Pharmacy, Dentistry, Optometry, Nursing, and Allied Health Sciences. The University has an NIH-designated Comprehensive Cancer Center, two transgenic animal facilities, and interdisciplinary graduate programs. The Departmental graduate program has over 60 M.S. and Ph.D. students (<http://www.vet.ohiostate.edu/docs/biosci/index.html>). Departmental facilities are extensive and include BSL-3 containment laboratories and newly renovated and constructed state-of-the-art research and teaching facilities. Applicants will participate in the training grant in 'Mouse Models of Human Disease' from the National Center for Research Resources.

Applications should include a curriculum vitae, statement of career goals, summary of current research activities, and the names (with complete mailing address) of at least four individuals from whom letters of references may be solicited. Academic rank and salary are negotiable. Applications will be accepted until September 1, 2002 or until the position is filled. Address all correspondence to: **Dr. Thomas Rosol, Chair of Search Committee, Department of Veterinary Biosciences, College of Veterinary Medicine, The Ohio State University, 1925 Coffey Road, Columbus, OH 43210.**

The Ohio State University is an EO/AA Employer. Women, Minorities, Vietnam era veterans, disabled veterans and individuals with disabilities are encouraged to apply.



Athersys
i n c.

Scientist (Ph.D.) in Bioinformatics

Athersys is a privately held biopharmaceutical company engaged in the development of therapeutic products for the treatment of significant and life threatening diseases. The company's research and development programs are focused on maximizing the utility of its two proprietary platform technologies: RAGE (Random Activation of Gene Expression) and the SMC (Synthetic Microchromosome) vector system.

Job Description

We presently seek a Sr. Scientist/Group Leader in the area of Bioinformatics. The position requires a highly motivated and creative scientist with experience in molecular biology and genetic methodologies, and expertise in the computational and database tools needed to manage, analyze and integrate information arising from cDNA sequencing, protein characterization and genomic mining efforts. The candidate should have experience with UNIX, database, and multiple programming languages, including SQL and Perl. The position will oversee the activities of a dedicated Bioinformatics team and will closely integrate bioinformatic analysis and discovery with ongoing genetic research. This leadership position requires that applicants should have prior group management experience and excellent communication skills.

Job Requirements

The successful candidate will have a Ph.D. in molecular biology or a related discipline with substantial experience in bioinformatic analysis. Demonstrated success in both biological and bioinformatic research as evidenced by patent and scientific publications, as well as evidence of leadership is desired. The preferred applicant will have at least five years of laboratory research experience subsequent to receiving their advanced degree.

Athersys offers a progressive work environment, and a competitive compensation and benefits package that includes participation in the company's employee stock option plan. For more information on Athersys, Inc., please visit our website at www.athersys.com. Send Resume/CV to:

Athersys, Inc.

Attn: Employment #08-2459

3201 Carnegie Avenue
Cleveland, OH 44115

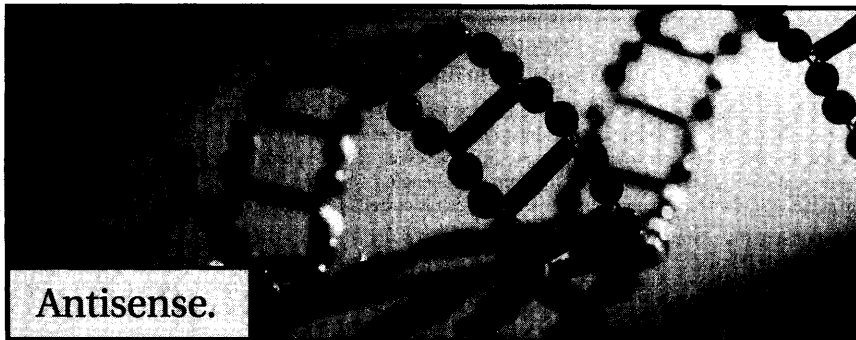
or

jobs@athersys.com

or

Fax to 216-361-9596

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Antisense.

Pushing the limits of discovery.

Antisense Technology. Catch the next big wave in genomic-based drug discovery and development. At Isis Pharmaceuticals, we are the world's leader in developing a cutting-edge technology called antisense. Over our 13-year history, we have pioneered the RNA-targeted platform to develop new medicines that will improve patients' lives and the productivity of the pharmaceutical industry. We are the engineers of the largest and broadest antisense pipeline in the industry today, and the boundaries of what we have created are endless. Talk about a rush!

SCIENTIST/SENIOR SCIENTIST

Join a group responsible for antisense lead identification screening. Will optimize and develop new methodologies to increase throughput and expand screening capabilities. Ph.D. in molecular biology, cell biology or biochemistry OR a B.S./M.S. in molecular biology and 7+ years' experience desired. Experience with cloning, mammalian cell transfection, assay development, and mRNA expression analysis desired. **Job Code: 757-BL**

SENIOR SCIENTIST

Join a group responsible for drug discovery in oncology. Requires the ability to design/implement experiments to determine the importance of molecular targets. Ph.D. and 3+ years' postdoctoral experience, as well as a background in cancer biology and a thorough understanding of tissue culture techniques, required. Proficiency with transfections, real-time PCR, western blots and computers desired. **Job Code: 751-EM**

SENIOR SCIENTIST, MOLECULAR BIOLOGY

Ibis Therapeutics Division

Join our Ibis Therapeutics Division in the development, troubleshooting, and processing of microarray and polymerase chain reaction based assays. Requires relevant experience and ability to use innovative new methods to define/solve problems in these areas. Ph.D. and 3+ years' postdoctoral experience required. **Job Code: 424-LB**

SENIOR SCIENTIST, INFLAMMATION

GeneTrove Division

Join a group developing the use of antisense technology for functional genomics and therapeutic applications in the fields of inflammation. Will work with a multi-disciplinary team responsible for defining the function of novel gene products and validating them as potential drug targets. Requires expertise in molecular & cellular biology techniques and experience with contemporary methods of both mRNA & protein expression analysis, as well as the development of in vitro bio-assays. Ph.D. or equivalent and experience in signal transduction required. **Job Code: 484-ND**

The only thing more powerful than our technology are the minds behind it. At Isis, our unique culture thrives on challenge, innovation and discovery. We are inventors, and with each advancement, we are a step closer to saving lives. At work and at play, we're always riding the edge of discovery. Ready to dive in? Visit www.isispharm.com or email: resume@isisph.com. You may also send resumes to: ISIS Pharmaceuticals, 2292 Faraday Ave., Carlsbad, CA 92008. No phone calls please. EOE.



www.isispharm.com

**Think Bone. Think Brain.
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SkeleTech, a leading-edge contract research organization, offers scientific expertise in bone and central nervous system (CNS) biologies. Headquartered near Seattle, WA, in the beautiful Puget Sound Region of the Pacific Northwest, our wide range of capabilities reflects years of experience in the study of bone and CNS disorders. SkeleTech offers a challenging work environment requiring both scientific excellence and an entrepreneurial spirit. SkeleTech is currently recruiting:

Senior Scientists/Study Managers, Bone Biology

As a Study Manager, you will: (1) work w/ multidisciplinary scientific teams to perform client-sponsored research projects; (2) design, manage, & analyze experiments; and (3) coordinate project operations at SkeleTech and affiliated labs worldwide. Qualified applicants will possess a PhD in bone biology or related field and applied research experience in the pharmaceutical industry or project management.

Job #0206N - Study Manager, Osteoporosis, Arthritis and/or Orthopaedics and Tissue Engineering. Preferred candidates will possess experience with experimental models for product discovery and development, bone histology, and histopathology.

Job #0208N - Study Manager, Osteoporosis. Preferred candidates will possess experience in nonhuman primate biology. Programming/statistics expertise (including SAS) a plus.

Programmer

Job #0211N - As a senior level Programmer, you will facilitate lab and business information flow/analysis by capturing data in relational databases, and design and build enhancements to current and new database systems. Qualified candidates will have a BS in Engineering or Science, 5+ years experience in database design including MS SQLServer, and 5+ years programmer experience with languages including VB and C++. Prefer experience in laboratory data management, GLP, CFR21 Part 11, and/or H11PA.

SkeleTech offers a competitive salary and benefits package including equity participation. Qualified candidates should submit their CVs, including the job # they are interested in, to: **Human Resources, SkeleTech, Inc. • 22002 26th Avenue SE • Suite 104 • Bothell • WA • 98021**. Electronic submission preferred: jobs@skeletech.com.



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**Deputy Director for Clinical Research
USA Cancer Research Institute**

The University of South Alabama (USA) is launching the new USA Cancer Research Institute (USA-CRI) with a major thematic focus on new drug discovery, drug development and molecular diagnostics, with an emphasis on metastasis mechanisms and targets. As a part of this initiative, the USA-CRI will implement a state-of-the-art clinical trials capability, encompassed within a centralized Clinical Trials Management Organization (CTMO) supporting both intramural (within USA-CRI; predominantly Phase I) and extramural (community/regional practitioners; predominantly Phase II/III) trials of new investigational agents and technologies originating from government, academic and commercial organizations. The Institute seeks a Deputy Director who will provide essential leadership for the design, implementation, staffing, scientific and administrative management, and oversight of the CTMO for the USA-CRI. The Deputy Director will also be directly responsible for conduct of Phase I/II clinical trials intramurally within the USA-CRI. The successful candidate for this position will: (a) be a highly experienced clinical trialist/oncologist, having broad experience with a diversity of classes of investigational new anticancer drugs and protocols, (b) have a track record of successful recruiting and building of clinical research and trials teams and infrastructures, (c) experience in attracting and implementing trials from industry as well as government-sponsored sources, (d) strong preclinical as well as clinical experience in testing, research and development of new drug candidates, (e) qualifications suitable for concurrent academic appointment at Associate or Full Professor rank in a clinical department of the USA College of Medicine.

Please send letters of inquiry, nominations and applications to: **Michael R. Boyd, M.D., Ph.D., Director, USA-CRI, College of Medicine, 307 University Blvd, 170 CSAB, Mobile, Alabama 36688-0002; or, e-mail, mboyd@usouthal.edu.**

The University of South Alabama is an Affirmative Action and Equal Opportunity Employer.

**POSITION IN SYSTEMS NEUROSCIENCE
CENTER FOR NEUROSCIENCE
DBS: NPB
UNIVERSITY OF CALIFORNIA, DAVIS**

The Center for Neuroscience and the Section of Neurobiology, Physiology and Behavior, in the Div. of Biological Sciences, University of California, Davis, invite applications for a Systems Neuroscientist at the assistant professor level, to begin July 1, 2003. Specialization within the areas of vision, auditory, somatosensory, or motor systems is preferred. We are particularly interested in faculty who can work in conjunction with the Calif. Regional Primate Research Center, located at UC Davis. Applicants will be expected to demonstrate leadership in their research specialty, obtain extramural funds, and teach systems neuroscience courses at both graduate and undergraduate levels. Candidates must possess a Ph.D. or M.D. degree.

Applicants should send a letter describing research and teaching interests, a curriculum vitae, copies of representative publications, and the names of at least five persons from whom references will be obtained to: **Edward G. Jones, Director, Center for Neuroscience, 1544 Newton Court, University of California, Davis, CA, 95616-8659**. All materials must be received by November 30, 2002, to be assured consideration. The search will continue until this position is filled.

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Center for Neuroscience
University of California, Davis

For our **Antibiotic Research Institute Vienna** we are seeking the following key position

Head of Microbiology

Qualifications

- University degree as MD or PHD in (human or veterinary) medical sciences, microbiological or pharmaceutical sciences
- Preferably 5 years research experience in the pharmaceutical industry
- Established network in the relevant microbiological area
- Strong oral and written communication skills in English
- Knowledge of data processing systems
- Strong interpersonal skills

Areas of responsibility

- Preparing and realizing of preclinical evaluations in bacteriology as e.g.
 - in vitro systems
 - in vivo animal models
 - establishment of new test systems
 - experimental benchmark analysis
- Leading and managing the microbiology department's staff
- Reporting directly to the Head of Antibiotic Research Institute Vienna
- Publications and presentations of scientific results for international and national journals and conferences

If you are interested in working in our company in Vienna we would be delighted to meet you. We look forward to receiving your completed application.



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Biochemie GmbH

Mag. Katharina Kaltner
Human Resources/Recruiting

Biochemiestraße 10
A-6250 Kundl
Tel. 0043/5338/200-2157
e-mail:
katharina.kaltner@gx.novartis.com
Internet: www.biochemie.com

ASSISTANT/ASSOCIATE PROFESSOR, CHILD AND ADOLESCENT PSYCHIATRY DEPARTMENT OF PSYCHIATRY/BRAIN RESEARCH CENTRE THE UNIVERSITY OF BRITISH COLUMBIA

The Department of Psychiatry and the Brain Research Centre at the University of British Columbia, in conjunction with the Children's and Women's Health Centre of British Columbia invites applications for a position at the Assistant or Associate Professor level. Full Professor may also be considered depending on qualifications and experience. Salary will also be commensurate with qualifications and experience. This position will be tenure track or grant tenure track depending on the nature of the appointment.

Candidates holding a Ph.D. or MD degree specializing in the application of innovative new technologies to the study of Childhood Psychiatric Disorders are encouraged to apply. The incumbent will be expected to develop a vigorous research program and to interact with a strong core of clinicians and basic and clinical scientists. There are considerable resources and infrastructure in brain imaging and molecular genetics. The infrastructure for the new Imaging Centre at UBC consists of a 3T MR scanner for human studies optimized for functional MRI and magnetic resonance spectroscopy, a very high field small bore MR scanner for animal studies and an image analysis laboratory. Resources are also available for molecular and cellular neurobiology, bioinformatics, profiling, gene-chips and proteomics. Genome BC is developing the infrastructure for single nucleotide polymorphism analysis, and facilities also are available for transgenic mouse models.

The University of British Columbia is ranked second in research among Canadian Universities. Through its affiliation with UBC, the Children's and Women's Health Centre is a partner in the education of health care professionals and in the advancement of child health care research. Along with UBC and Children's & Women's Health Centre, the B.C. Research Institute for Children's & Women's Health is a vital partner in innovative research in the province of British Columbia.



Applicants should submit by **November 30, 2002**, a copy of their curriculum vitae, a brief statement of their current research interest and the names of three references to: **Dr. Athanasios P. Zis, Professor and Head, UBC Department of Psychiatry, 2255 Wesbrook Mall, Vancouver, B.C. V6T 2A1**. The anticipated start date is **July 1st, 2003**.

UBC, the Children's & Women's Health Centre and the BC Research Institute for Children's & Women's Health hire on the basis of merit and are committed to employment equity. We encourage all qualified persons to apply; however, Canadian and permanent residents of Canada will be given priority.

Chairperson
Department of Lymphoma/Myeloma
Division of Cancer Medicine

The University of Texas M. D. Anderson Cancer Center is actively recruiting a Chairperson and Professor of Medicine for the Department of Lymphoma/Myeloma. This opportunity provides an unmatched setting for an outstanding physician/scientist or clinician who will provide strong administrative leadership in setting the strategic direction for clinical care, education and research within the department. The Chairperson will also be responsible for departmental budgets, research planning, resource allocations, space administration and faculty development. The development of a premier translational research program in Lymphoma and Myeloma will be enabled by the world's leading clinical program in these diseases as well as a very strong clinical and basic research infrastructure.

M. D. Anderson, ranked one of the two top cancer centers and nominated in four other categories by *U.S. News & World Report*, is the world's largest treatment facility for oncological diseases. Located within the Texas Medical Center campus in Houston, our location provides access to a world-renowned medical community and the splendid cultural and recreational diversity of a sophisticated, metropolitan area that is the country's fourth largest city.

Interested applicants, board certified and eligible for licensure by the Texas Board of Medical Examiners, should forward a copy of their C.V. and a letter of interest describing their clinical and academic interests to: **James L. Abbruzzese, M.D., Search Committee Chair, UTM. D. Anderson Cancer Center, 1515 Holcombe Blvd., Box 0426, Houston, TX 77030-4009. Phone: (713) 792-8909. Fax: (713) 745-1163. E-mail: jabbuzz@mdanderson.org**

THE UNIVERSITY OF TEXAS
MD ANDERSON
CANCER CENTER
Making Cancer History™

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CHAIR

DEPARTMENT OF PHARMACEUTICAL SCIENCES
WESTERN UNIVERSITY OF HEALTH SCIENCES
COLLEGE OF PHARMACY

The College of Pharmacy at Western University of Health Sciences (www.westernu.edu/cp) invites applications for Chair of the newly formed Department of Pharmaceutical Sciences. Candidates must have a Ph.D. and be eligible for a tenured appointment at the rank of Associate or Full Professor. Preference will be given to candidates with a professional degree in Pharmacy and/or training in a pharmaceutical sciences discipline.

We are seeking candidates who have: an outstanding record of accomplishments in research, scholarly activities and service, strong records in teaching at both the professional and graduate level, and an understanding of administrative activities and functions which support the faculty in their academic efforts. Strong leadership skills as well as effective written and verbal communication skills are a required qualification.

Applicants must submit: (1) a personal statement highlighting administrative experience and leadership skills, a vision for research and teaching in the department, as well as teaching philosophy; (2) curriculum vitae; and (3) letters from at least three professional references. (Electronic submissions are encouraged.) Please send all application materials to: **Robert Graf, Ph.D., Chair, Department of Pharmaceutical Sciences Search Committee, College of Pharmacy, Western University of Health Sciences, 309 E Second Street, Pomona, CA 91766-1854 (rgraf@westernu.edu).** Additional information on this position can be found at <http://www.westernu.edu/cfm/jobs/jobs.cfm>.

*Western University of Health Sciences is an Affirmative Action/
 Equal Opportunity Employer and actively seeks applications
 from women and minorities.*



**Director, Center for Basic and
 Translational Science,
 USA Cancer Research Institute**

The University of South Alabama (USA) has initiated development of the USA Cancer Research Institute (USA-CRI), with a major thematic focus on new drug discovery, drug development and molecular diagnostics, with an emphasis on metastasis mechanisms and targets. The USA-CRI Center for Basic and Translational Science (CBTS) will comprise a majority of the Institute's preclinical research and development programs, space (at least 40,000ft²), facilities and other resources. The USA-CRI seeks a Director for the CBTS who will provide the necessary administrative, managerial, and scientific leadership in the preclinical arena to enable the Institute to achieve designation as an NCI Comprehensive Cancer Center within the coming decade. The CBTS Director will, in concert with the Institute Director, lead the planning, development and management of all CBTS resources, as well as recruitment and mentoring of extramurally funded or competitive faculty and staff of the CBTS. The successful candidate for this position will have: (a) a strong track record of leadership in research, scientific program management and administration, (b) an active, extramurally funded or competitive research program in one or more of the following areas pertinent to new drug discovery and development: molecular cell biology; chemical biology; tumor biology; comparative oncology; (c) broad experience in development and research applications of animal models of human cancer; (d) substantial success in creation of academic/industry partnerships and collaborations; and (e) qualifications suitable for concurrent academic appointment as Professor in a basic and/or clinical department(s) of the USA College of Medicine.

Please send letters of inquiry, nominations and applications to: **Michael R. Boyd, M.D., Ph.D., Director, USA-CRI, College of Medicine, CSAB 170, Mobile, Alabama 36688-0002; or, e-mail, mboyd@usouthal.edu.**

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 Opportunity Employer.*

**NATIONAL
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 and Immune Diseases**

Faculty Position

The Integrated Department of Immunology at the University of Colorado Health Sciences Center and National Jewish Medical and Research Center invites applications for multiple faculty positions at the Assistant or Associate Professor level. Individuals working in Immunology or related disciplines such as developmental biology of hematopoietic cells, proteomics and genomics, are encouraged to apply. Candidates should have a Ph.D. and/or M.D. degree, at least two years of post doctoral experience, and a record of outstanding research. Interested individuals should send a curriculum vitae, a statement of research interests, and the names of three references to:

Drs. Philippa Marrack and John Cambier
Chairs, Search Committee
National Jewish Medical and Research Center
1400 Jackson Street
Denver, CO 80206

*The University of Colorado and the
 National Jewish Medical and Research Center
 are Affirmative Action/Equal Opportunity employers.*



University of Colorado Health Sciences Center



Two MPG Director Positions at the new Max Planck Institute in Münster (Germany)

in tissue differentiation / wound repair / repair-associated inflammation / cell migration and regulation of cell contacts / stem cell biology / vascular biology or related topics

The Max Planck Society has founded a new Max Planck Institute in Münster (Germany). The first department (Director: Prof. Dietmar Vestweber) is focussed on the study of leukocyte recirculation. Two additional departments will be set up, one in cooperation with the University of Münster.

To aid the definition of promising research areas and the identification of suitable candidates, a **symposium** on

Mechanisms in Tissue Regeneration

will be held in Münster on November 11 and 12, 2002. Topics include, but are not limited to tissue differentiation, wound repair, repair-associated inflammation, cell migration and regulation of cell contacts, stem cell biology, vascular biology.

We invite applications from, or nominations of scientists of any nationality from within or outside Germany with a strong record of accomplishment in these or related areas and with leadership qualities. The positions are equivalent to Full Professorships at a German university. In addition, departments will be given laboratory space in the new building, as well as generous funds for laboratory set-up, operation and personnel. Directors positions compare favourably with full investigator positions of the Howard Hughes Medical Institute and similar appointments.

The Max Planck Society would like to increase the number of female directors and would therefore welcome applications from, or nominations of female scientists for these positions.

Please submit a CV, a list of publications and a brief outline of current and planned research, along with title and abstract of talk (deadline: July 31st, 2002) to:

Max-Planck-Gesellschaft
zur Förderung der Wissenschaften e. V.
Secretariat of the Biology/Medicine Section
Ulrike Kasemi
Postfach 10 10 62, 80084 München
E-Mail: kasemi@mpg-gv.mpg.de

Chair of Molecular Physiology

Ref. 02/Q067A

School of Medicine

Applications are invited for the post of Professor of Molecular Physiology in the School of Medicine, Queen's University Belfast tenable from 1 October 2002.

We are seeking an outstanding scientist with a track record of internationally recognised research in the application of the techniques of molecular biology to problems in Physiology.

Queen's University is the centre for medical education and research in Northern Ireland and the Medical School has a high reputation for teaching and clinical practice. A major investment and restructuring programme to enhance the Medical School's research capacity and performance is now underway to build on the success of the 2001 Research Assessment Exercise which showed grade 5 research in each clinical unit of assessment. The Medical School is focusing its research into five research centres – smooth muscle, cancer, cardiovascular research, infection, inflammation and repair, and ophthalmology and vision science. The University now wishes to appoint a Professor of Molecular Physiology who will help further advance the research of the Smooth Muscle Research Centre.

Applicants must have an Honours degree in a relevant subject or medical degree or equivalent; a PhD/MD or equivalent; experience of teaching physiology at undergraduate level; research experience in the application of the techniques of molecular biology to physiological problems and excellence in research as evidenced by a substantial core of publications in the peer-reviewed literature and a track record of obtaining research grants from national or international bodies.

Informal enquiries may be directed to Dr Keith Thornbury (k.thornbury@qub.ac.uk) or Dr Graham McGeown (g.mcgeown@qub.ac.uk) Department of Physiology (028 9033 5795)

It is anticipated that interviews for this post will be held on 26 September 2002.

Salary will be determined in accordance with the appropriate professorial ranges as applied within the University, with eligibility for USS and there is an attractive package to assist with relocation and resettlement expenses if appropriate.

Closing date: 5.00 pm, Friday 30th August 2002.

Please visit our website to download the application pack – www.qub.ac.uk/jobs or alternatively contact the Personnel Department at the address below.

The University is committed to equal opportunities and to selection on merit.

It therefore welcomes applications from all sections of society.

Queen's University Belfast Personnel Department

Belfast, BT7 1NN.
Tel (028) 90273044 or
(028) 90273854
(answering machine) or
Fax (028) 90324944 or
e-mail on personnel@qub.ac.uk



**Queen's University
Belfast**

POSTDOCTORAL POSITION IMMUNOLOGY

Position available to study the role of transcriptional regulation in the control of lymphocyte development. Projects involve analysis of E2A and EBF function in lymphopoiesis using *in vitro* and *in vivo* assays. (See *J. Exp. Med.* **188**:699-713, 1998; *Nat. Immunol.* **2**:242-247, 2001; *EMBO J.* **21**:103-113, 2002). Experience in molecular and cellular biology essential.

Please send statement of interest, curriculum vitae, and names of three references to: Dr. Barbara L. Kee, Dept. of Pathology, University of Chicago, 5841 South Maryland Ave., MC 1089, Chicago, IL 60637. E-mail: bkee@bsd.uchicago.edu FAX: 773-834-5251.

The University of Chicago is an Equal Opportunity/Affirmative Action Employer and welcomes applications from women and minorities.



Max Planck Institute for Demographic Research

Jobs and Fellowships:

The Institute seeks more than 20 research scientists, post-doctoral fellows and doctoral students with backgrounds in demography, social science, biology, mathematics or statistics. In addition, more than 20 places are available for visiting scholars and visiting doctoral students.

Publications and Databases:

The Institute publishes *Demographic Research*, a free, expedited, peer-reviewed, online journal of the population sciences. Various books, articles, abstracts and working papers are also available online. Databases available online include

- LONGEVITY RECORDS:
Life Spans of Mammals, Birds, Amphibians, and Fish
- The HUMAN MORTALITY DATABASE.



www.demogr.mpg.de

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- Scientist – Organic Chemist**
- Scientist – Peptide/Organic Chemist**
- Manager/Director – Immunopharmacologist**
- Manager/Director – Pharmacokineticist**
- Senior Scientist/Director – Regulatory**
- GMP Production Manager/Associate Director**

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For more details, please visit our website at:



www.gryphonsci.com



POST-DOCTORAL POSITION AVAILABLE Molecular Medicine Program Mayo Clinic Rochester, Minnesota, USA

Mayo Clinic Rochester has established a Molecular Medicine Program with several groups working on gene therapy using different viral systems. In the group of **Dr. Kah-Whye Peng**, motivated individuals are required to continue developing trackable and targeted vaccine strain of measles virus for cancer therapy and to study the mechanistic basis for tumor selectivity of the virus. The primary disease focus of the laboratory is ovarian cancer. Experience in molecular biology, tissue culture and animal experimentation is essential. Training in virology is desirable.

References:

1. Peng KW et al. Systemic therapy of myeloma xenografts by an attenuated measles virus. *Blood*. **98**:2002-2007, 2002.
2. Peng KW et al. Non-invasive *in vivo* monitoring of trackable viruses expressing soluble marker peptides. *Nature Medicine*. **8**:527-531, 2002.

Salary is determined by the successful candidate's experience. An attractive benefit package is offered. Mayo Clinic Rochester is a non-profit, physician led, clinical practice with education and research in a unified multi-campus system.

Application, including curriculum vitae and bibliography, summary of past accomplishments and the names of three references should be sent to:

Kah-Whye Peng, Ph.D.
Molecular Medicine Program
Guggenheim 18
200 First Street SW
Rochester, Minnesota 55905, USA
E-mail: peng.kah@mayo.edu
Phone: (507) 284-8357
Fax: (507) 284-8388

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**Post-Doctoral IRTA Positions
NIH, NIAID
Rocky Mountain Laboratories,
Hamilton, Montana**

The Laboratory of Intracellular Parasites (LICP), NIAID, NIH, Rocky Mountain Laboratories (RML), Hamilton, MT is seeking post-doctoral candidates. The LICP investigates the pathogenesis of diseases caused by *Chlamydia*, especially the human pathogens *C. trachomatis* and *C. pneumoniae*. The laboratory is employing a functional genomics approach to identify and characterize genes that relate to tissue tropism of infection, pathogenic mechanisms, and evasion of host defense. We are using expression profiling to study chlamydial gene expression patterns in models acute and chronic infection. The results of this work are being used to identify new virulence determinants that function in chlamydial host cell interactions, and new antibiotic and vaccine targets. Salaries range from \$33,000 - \$45,400 depending on experience, and health benefits are provided.

The RML has been recently renovated to contain state of the art laboratory, BSL3 containment, and animal facilities. The laboratory is located in the beautiful Bitterroot Valley of western Montana with easy access to some of the best hiking, skiing, kayaking, mountain biking, and trout fishing in North America.

Please send CV and three letters of reference to:

**Dr. Harlan D. Caldwell, Ph.D.,
Chief, Laboratory of Intracellular Parasites
Rocky Mountain Laboratory, NIAID,
903 South 4th Street, Hamilton, MT 59840.
email: hcaldwell@niaid.nih.gov**

NIH is an Equal Opportunity Employer.



**JOINT FACULTY POSITION
DEPARTMENTS OF BIOENGINEERING
AND OPHTHALMOLOGY
UNIVERSITY OF CALIFORNIA, SAN DIEGO**

UCSD seeks applicants for a tenure-track/tenured position (preference for the Assistant or Associate level) with expertise in bioengineering applications to retinal disease. The successful applicant will have joint appointments in the departments of Ophthalmology and Bioengineering, and will have laboratories in the soon-to-be completed Joan and Irwin Jacobs Retinal Center. The successful applicant must have a track record of securing NIH or NSF research support or have a highly promising background suggesting the potential for securing such support. Areas of research interest may include tissue engineering, artificial retina engineering, optical engineering, engineering aspects of cell rescue, transplantation tissue engineering applied to age-related macular degeneration, retinal degenerations, retinal detachment and related diseases. The research may address areas of cell transplantation, cell function modulation, stem cell transplantation and research, optics and imaging including retinal or choroidal blood flow research, and gene therapy as applied to retinal diseases. The successful candidate will teach bioengineering courses at the graduate and undergraduate level and interact with faculty in both departments. The salary will be commensurate with the qualifications and based on UC pay schedules.

Please send a resume, samples of publications, and the names of three or more references to: **Joint Search Committee c/o Ms. Lore Meanley, Department of Bioengineering, Mail Code 0412, University of California San Diego, La Jolla, CA 92093-0412.** Consideration of applicants will begin on August 26, 2002.

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

**Max Planck Institute
for Demographic Research**



Directors: Prof. James W. Vaupel - Prof. Jan M. Hoem

The LABORATORY FOR DEMOGRAPHIC DATA seeks to recruit demographers, sociologists, statisticians and researchers interested in studies on fertility, mortality, longevity and aging for the following positions:

Research scientist

Applicants must have completed a Ph.D. degree in demography or a related field and have a proven record of scientific work and theoretical experience in the field of fertility and its determinants in Eastern Europe and other European countries as well as a broad knowledge of the relevant literature. The candidate will be working mostly on analyses of individual-level data from fertility surveys. The position requires expertise in statistical analysis. The position is initially for 2 or 3 years, but could be extended up to a total of 5 years, with a possibility of tenure thereafter.

Post-doctoral fellow

The candidate will be working on developing and analysing the Human Mortality Database and the Kannisto-Thatcher Database on Old Age Mortality.

Applicants must have completed a Ph.D. degree in Demography or Statistics and should have demonstrated scientific work experience in mortality and health statistics. Applicants should be interested in population studies on mortality, longevity and aging. The position requires advanced skills in data processing and analysis. The position is for 2 years.

Doctoral student

The candidate will be working on developing and analysing the Non-Human Mortality Database, a large data collection on survival of species from various biological experiments.

Applicants must have completed a Diploma or Master's degree in Demography, Statistics, Mathematics or Population Biology and should be interested in longevity and survival studies. The position requires skills in data processing and analysis. The position is initially for 2 years with the possibility of a third year of extension.

For the positions above, fluency in the English language is required, knowledge of the German language is desirable.

Doctoral student

The candidate will be working on the German-French project on the reconstruction and analysis of continuous series of mortality by cause of death in Germany.

Applicants must have completed a Diploma or Master's degree in Demography, Public Health or Statistics. The position requires knowledge in demography and medical statistics, skills in data processing and analysis. The position is initially for 2 years with the possibility of a third year of extension.

Knowledge of the English and German language is required, knowledge of the French language would be an advantage.

Applications from women are particularly encouraged. Preference will be given to disabled persons, all else being equal. Please send your applications to:

**Max Planck Institute for Demographic Research
Att. Dr. Vladimir Shkolnikov
Doberaner StraÙe 114
D-18057 Rostock, Germany**



MAX-PLANCK-GESELLSCHAFT

POSITIONS OPEN

THE UNIVERSITY OF WESTERN ONTARIO Department of Biology

Applications or nominations are invited for the position of Chair, Department of Biology, Faculty of Science, The University of Western Ontario. It is anticipated that this appointment will be at the rank of **FULL PROFESSOR** with tenure but applications will be considered at any rank. The Department of Biology, created by the July 2002 merger of the Departments of Zoology and Plant Sciences, consists of about 40 faculty, 35 staff, and 80 graduate students. Approximately 125 fourth-year Honours students graduate each year. The Department is of central importance within the research-intensive Faculty of Science as well as the more broadly based biomedical research and teaching community at Western. The successful candidate will have a commitment to quality undergraduate and graduate teaching, a strong research record, and administrative experience. The Chair will capitalize on the opportunities provided by the merger and be creative in adding new dimensions to the activities of the Department. The effective date of the appointment is July 1, 2003. Nominations and applications should be sent to:

**Dr. Fred J. Longstaffe, Dean
Faculty of Science
Western Science Centre
The University of Western Ontario
London, Ontario N6A 5B7 Canada**

The closing date for applications is November 30, 2002.

Position is subject to budget approval. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. The University of Western Ontario is committed to Employment Equity; welcomes diversity in the workplace; and welcomes applications from all qualified women and men including visible minorities, aboriginal people, and persons with disabilities.

ASSISTANT PROFESSOR

**Immunopathogenesis
Department of Microbiology and Immunology
Medical College of Ohio**

Applications are invited for a 12-month tenure-track faculty position. The successful candidate is expected to develop an independent, extramurally funded research program in an area related to immune response to microbial infection. In addition to teaching medical and graduate students, the successful candidate will be expected to participate in existing bacterial and fungal pathogenesis programs within the Department.

The Department is in a growth phase with focus on the development of immunology. MCO is a state school with a modern campus. To learn more about the Department and MCO, visit our **website**: <http://www.mco.edu>. Applicants should submit a statement of research goals with representative reprints, curriculum vitae, and three letters of recommendation to: **Garry T. Cole, Ph.D., Chair, Department of Microbiology and Immunology, Medical College of Ohio, 3055 Arlington Avenue, Toledo, OH 43614-5806**. Applications should be received by September 1, 2002. *Affirmative Action/Equal Opportunity Employer.*

SKELETAL BIOLOGY

TENURE-TRACK FACULTY POSITION available in Department of Orthopaedics at Case Western Reserve University. Candidates should employ modern cellular/molecular/developmental approaches to important questions in skeletal biology of bone or cartilage. For information on our current research faculty see **website**: http://universityorthopaedicsonline.com/frame_cwru_research.html. Send curriculum vitae, names and addresses of three references, and a description of research plans to: **Chair, Orthopaedic Research Search Committee, c/o Valerie Schmedlen, Department of Orthopaedics, University Hospitals/CWRU, 11100 Euclid Avenue, Cleveland, Ohio 44106-5043**. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITION COMPUTATIONAL/ INTEGRATIVE NEUROSCIENCE University of Alabama at Birmingham

The Department of Neurobiology at the University of Alabama at Birmingham has an opening for a tenure-track **ASSISTANT PROFESSOR**. We seek individuals with outstanding research productivity and promise to become part of a new initiative in computational/integrative neuroscience. Investigators who utilize modern approaches such as imaging and/or electrophysiological analysis of behavior and computational approaches are encouraged to apply for the position. The successful candidate will have completed productive postdoctoral training and be capable of establishing an active extramurally funded laboratory. Competitive start-up funds and salary are available. The Department of Neurobiology has 13 primary faculty members with interests in synaptic physiology and plasticity, calcium imaging with confocal and multiphoton microscopy, neuromodulation, and genetics. The Department builds on nationally recognized programs in other departments in the School of Medicine and College of Arts and Sciences. Neurobiology faculty participate in training graduate students through interdisciplinary neuroscience, cognitive science, cellular and molecular biology and M.D./Ph.D. programs. The Department also houses an NIH program project on cerebral cortical development; a Mental Retardation Research Center grant; and a wide array of core facilities for cellular imaging, electrophysiology, data analysis, molecular biology, and genetics. Deadline for receipt of applications is August 1, 2002. Please send curriculum vitae, statement of research plans, and three letters of reference to: **The Faculty Recruitment Office, c/o Computational/Integrative Neuroscientist Position, Department of Neurobiology, University of Alabama at Birmingham, 1719 Sixth Avenue South, 137 CIRC, Birmingham, AL 35294-0021**. *UAB is an Affirmative Action/ Equal Opportunity Employer.*

FACULTY POSITION Oregon Health and Science University

The Division of Nephrology and Hypertension invites applications for a faculty position at the level of **ASSISTANT or ASSOCIATE PROFESSOR**. We are seeking individuals with an advanced degree (Ph.D. and/or M.D.) and a record of scientific achievement to complement our existing programs in hypertension, kidney disease, and renal physiology, from the molecular to the organismal levels. Use of innovative biochemical, cell, or molecular biological approaches is desirable.

This is an exciting opportunity for a motivated individual to join a collegial group at an institution in the midst of a vigorous commitment to research expansion. OHSU is in the heart of a geographically and professionally desirable city and is in the top 25 percent of U.S. medical schools in total federal research dollars. Interested candidates should send curriculum vitae, summary of research interests, and contact information for three references to: **David M. Cohen, Division of Nephrology and Hypertension, Oregon Health and Science University, Mail code PP262, 3181 South West Sam Jackson Park Road, Portland OR, 97201**. E-mail: cohend@ohsu.edu.

DIRECTOR OF FIELD CONSERVATION

Professional Conservation Biologist to direct the zoo's support of and participation in field conservation projects; initiate and coordinate participation by zoo staff in field conservation projects; promote the zoo's field conservation efforts within and outside the zoo; assist the zoo's development department in obtaining support for field conservation initiatives; and design, initiate, conduct, and manage field conservation projects in own areas of interest. Preference given to candidates with experience in zoo biology. Ph.D. required. Excellent benefits. Salary commensurate with experience. Send a letter of interest, curriculum vitae, and a list of references to: **Human Resources, Lincoln Park Zoo, 2001 North Clark Street, Chicago, IL 60614**.

POSITIONS OPEN

TERM ASSISTANT PROFESSOR Integrative Physiology University of Alaska Fairbanks

The Department of Biology and Wildlife and Institute of Arctic Biology invites applications for a one year Term Assistant Professor to begin in July 2002. Qualified applicants are sought to teach two courses during the academic year in our undergraduate curriculum (Principles of Metabolism and Cell Biology). The remaining time will be spent conducting research activities supported through the Integrative Approaches to Environmental Physiology research focus area funded through our NSF Experimental Program to Stimulate Competitiveness in Research (EPSCoR). **Website**: <http://www.alaska.edu/epscor/Current%20Pages/RFA.html>. Candidates who have completed their Ph.D. will receive preference, although the Search Committee will consider candidates who are near the completion of their program. A moving allocation will be provided.

To apply, please submit a UA application (which can be downloaded at **website**: [http://www.alaska.edu/hr/forms/PDF ent/applicant_form ent.pdf](http://www.alaska.edu/hr/forms/PDF_ent/applicant_form_ent.pdf)); curriculum vitae; statement of teaching interests, experience, and philosophy; research interests; and the names of three references to: **Term Assistant Professor in Biology Search Chair, UAF, Institute of Arctic Biology, c/o UAF Human Resources, P.O. Box 757860, University of Alaska Fairbanks, Fairbanks, AK 99775-7860**. FAX: 907-474-5859; e-mail: fjjobs@uaf.edu. Please reference PCN Number 920200, Requisition Number FF92020001. Applications will be accepted until the position is filled. Further information about the University and this position is available at **website**: <http://mercury.bio.uaf.edu/>. *The University of Alaska is an Equal Opportunity/Affirmative Action Employer and Educational Institution.*

HEMATOLOGIST/ONCOLOGIST Dana-Farber Cancer Institute

We are seeking an academic Hematologist/Oncologist for a full-time appointment at the Associate Professor level. This individual will be based at the Dana-Farber Cancer Institute and will integrate clinical and laboratory-based research efforts in the genetics of multiple myeloma with ongoing programs in Dana-Farber Partners Cancer Care, especially at the Brigham and Women's Hospital and Dana-Farber Cancer Institute. The applicant will carry out laboratory and clinical research, patient care, and teaching responsibilities in an established active Myeloma Center. Candidates must have a proven track record of laboratory-based genetic research, with independent grant funding, in multiple myeloma. Interested applicants should submit their curriculum vitae and names of three references to: **Kenneth C. Anderson, M.D., Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115**.

The Dana-Farber Cancer Institute is an Equal Opportunity Employer. DA is a smoke-free environment.

RESEARCH ASSOCIATE

Applications are invited for a position of Research Associate in the Department of Biological Sciences at Alcorn State University (ASU) located near historic Natchez and Vicksburg, Mississippi. This current position lasts until March 31, 2005, with a possibility of continuation. Research is related to heavy metal toxicity in brain including second messenger system; signal transduction; isoforms of PKC, NOS, and NMDA; and reactive oxygen species. Must initiate and complete research independently. The selected candidate will also be in charge of the research laboratory. The successful candidate will have a Ph.D. in appropriate area with demonstrated research expertise in areas listed above. Competitive salary with good fringe benefits. Interested applicants should send curriculum vitae and the names and addresses of three references to: **Bettaiya Rajanna, Ph.D., Department of Biological Sciences, Alcorn State University, 1000 ASU Drive, P.O. Box 870, Alcorn State, MS 39096**. E-mail: brajanna@lorman.alcorn.edu. FAX: 601-638-3989. *ASU is an Equal Opportunity Employer.*



Statistical Genetics
Tenure-Track Investigator
Mood and Anxiety Disorders Program
National Institute of Mental Health
Bethesda, MD, USA

The Section on Developmental Genetic Epidemiology, Experimental Therapeutics and Pathophysiology Branch in the Mood and Anxiety Disorders Program at the National Institute of Mental Health, Intramural Research Program is recruiting a scientist for a tenure-track position to develop research in statistical genetics in a new cross-institute program in neurogenetics. The candidate will have the opportunity for collaboration with scientists in diverse research areas in genetics (i.e., genetic epidemiology, biostatistics, statistical genetics, molecular genetics), as well as neuroscience and relevant clinical disciplines. The candidate is expected to have an M.D. or a Ph.D. in (1) biostatistics; (2) population or human genetics; or (3) genetic epidemiology. The applicant should have experience and interest in statistical analysis of genetic studies, and in developing new methods or adapting traditional statistical methods to identify the role of genes in the etiology of complex disorders. This position includes an attractive start-up package and operating budget in an exciting multidisciplinary research environment. Preference will be given to candidates with a background and interest in complex disorders, particularly neuropsychiatric disorders. Applicants should send a curriculum vitae, statement of research interests, and three letters of recommendation to Dr. Kathleen Merikangas (kathleen.merikangas@nih.gov), Search Committee, National Institutes of Health, 15 KNorth Drive, MSC#2670, Bethesda, MD 20892, by November 1, 2002.

NIH is an equal opportunity employer



Bridge the Gap Between Discovery and Clinical Testing

Access the National Cancer Institute's (NCI) vast resources free of charge to help move therapeutic agents for cancer to the clinic. The National Cancer Institute invites the submission of proposals to:

Rapid Access to Intervention Development RAID

RAID is not a grant program. Successful applicants instead will receive products or information generated by NCI contractors to aid the applicant's development of novel therapeutics towards clinical trial. The goal of RAID is the rapid movement of novel molecules and concepts from the laboratory to the clinic for proof-of-principle clinical trials. RAID will assist investigators by providing any (or all) of the preclinical development steps that may be obstacles to clinical translation. These may include, for example, production, bulk supply, GMP manufacturing, formulation and toxicology.

- The next deadline for receipt of applications is August 1, 2002
- Further information about this program can be found at: <http://dtp.nci.nih.gov>
- Inquiries can be made to the RAID Program Coordinator by telephone at 301-496-8720 or by e-mail a RAID@dtpax2.ncicrf.gov

RAID
Developmental Therapeutics Program
National Cancer Institute
6130 Executive Blvd., RM 8024
Rockville, MD 20852
Tel: 301-496-8720; Fax: 301-402-0831
raid@dtpax2.ncicrf.gov



Monsanto Company



Monsanto Company, publicly-traded on the NYSE, is a leading agricultural company with unparalleled resources in genomics and plant biotechnology. Monsanto Protein Technologies, a division of Monsanto, is focused on producing high yield, high quality pharmaceutical proteins in plants. We are seeking talented individuals to join the research and product development teams at our **Middleton, WI** laboratories:

Analytical Sciences Lead:

Will lead a high-performance team responsible for the characterization of the transformation events, including analysis of the levels of recombinant protein produced by transgenic plants, characterization of transgene insertion sites, and development of event-specific assays. This includes the development of optimum molecular technologies for use in genomic characterization and protein quantitation, and the use of those techniques in high-throughput assays. Ph.D. in Biochemistry, Molecular Biology or related discipline and 5+ years experience in the plant biotechnology industry or in the applied use of plant biotechnology required.

Experience required in the techniques needed for extensive genomic characterization of transformed plants, and preferably also in ELISA and other protein quantitation techniques.

Senior Research Biochemist:

Contribute to the understanding and optimization of physiological processes, biochemical pathways, and genes that control production and accumulation of recombinant proteins in plants. Expertise in protein analytical chemistries and plant physiology required. A Ph.D. in Biochemistry, Molecular & Cell Biology, or related field, and 2+ years postdoctoral training essential. Cell biology experience in microscopy, cell fractionation and in-situ techniques highly desirable.

Protein Analytics Researcher:

Contribute to the development, analysis, and improvement of transgenic crops for the production of therapeutic proteins. Additional responsibilities include: high-throughput extraction and screening of plant proteins, ELISA screening, plant sampling, western blotting, experimental design, data integrity and interpretation. Preferred qualifications for the position are 2 years of experience with a B.S. degree or an M.S. degree in Biochemistry, Molecular Biology or related field, preferably with experience with transgenic plants. Demonstrated skills are required in protein extraction and quantification.

Quality System Documentation Specialist:

Establish/maintain the company's document control system to ensure compliance with GLP/GMP regulations, internal quality systems, and standards; write, edit, and implement operating procedures, work instructions, forms, and specifications for GMP related documentation; and conduct routine document control tasks including writing, reviewing, changing, storing, tracking and authorizing operating procedures, work instructions, forms and specifications. An Associate's/Bachelor's degree; and GMP/ISO related experience preferred.

Monsanto has highly competitive pay and benefits, excellent personal development opportunities and a great working environment. For immediate consideration, respond by our preferred online method at: www.monsanto.com/monsanto/people/job_openings/default.htm Monsanto values diversity and is an equal opportunity employer.



MONSANTO

www.monsanto.com

POSITIONS OPEN

The Zoological Society of San Diego is soliciting applications from outstanding candidates for the position of **DIRECTOR OF COLLECTIONS**. The person selected will report to the Executive Director and will be a key member of our executive team.

The successful candidate will possess a doctoral degree in a relevant science. Equivalent specialized training and extensive experience will also be considered. S/he will also have an established international record in captive breeding and management of wildlife.

The candidate will be an individual who seeks collaboration and has proven skills in interdisciplinary teambuilding. Such skills are essential as the Society engages in partnerships with many conservation and zoological organizations worldwide.

In addition, the Director of Collections will be expected to participate in global strategic planning, establishment, and management of living zoological collections. The person in this position will represent the Society in many zoological, conservation, and governmental venues and must be an enthusiastic and articulate interpreter of zoological collections to the public.

The successful candidate must have the managerial skills to participate in a wide variety of business and budgetary decisions. S/he must interact effectively within the broad organizational framework and have excellent communication and interpersonal skills.

The ZSSD is a not-for-profit organization that operates the San Diego Zoo, the San Diego Wild Animal Park, and the Center for the Reproduction of Endangered Species. It is the largest such organization in the world and has over 250,000 supporting member households and an annual budget of approximately \$150 million. The Society's commitment to biodiversity conservation will continue to grow and a leader is needed to ensure that our managed populations are self-sustaining.

The review of applications will begin immediately and the search will remain open until the position is filled. Applicants should send curriculum vitae, a statement of collection philosophy, and a list of four professional references to: **The San Diego Zoo/ Human Resources Department, P.O. Box 120551, San Diego, CA 92112-0551, U.S.A.** Attention: ZSSD #166007. Website: www.sandiegozoo.org.

FACULTY POSITION Scholar in X-ray Crystallography

The Department of Molecular Genetics, Biochemistry, and Microbiology at the University of Cincinnati College of Medicine has been awarded an Ohio Eminent Scholar in the area of X-ray crystallography. The appointment will be at either the **ASSOCIATE** or **FULL PROFESSOR** level in the tenure-track, and we are searching for an individual investigating significant biological questions. We have already developed a very strong NMR component of our Structural Biology program, which includes several state-of-the-art spectrometers (400, 500, 600 [x2], 800 MHz). The X-ray facility will be housed in new space. The department consists of twenty-six faculty members encompassing such areas as gene regulation and development, signal transduction, ion transport, immunology, pathogenic mechanisms, cancer biology, and structural biology. The department provides an exceptional environment for an X-ray crystallographer to actively interact with colleagues while maintaining their own program. The department and college maintain a number of core facilities unparalleled in most institutions. These include a BL3 containment facility for work with pathogens, transgenic and knockout mouse cores, DNA synthesis and sequencing facilities, gene microarray analysis, proteomics, and bioinformatics. The department maintains an active graduate program with 45 Ph.D. students.

Our program can be visited at our website: <http://www.molgen.uc.edu>. Applicants must submit curriculum vitae, a brief description of research program, and the names of three qualified references to: **Jerry B. Lingrel, Ph.D., Professor and Chair, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Cincinnati, OH 45267-0524.**

POSITIONS OPEN



TRANSGENIC MOUSE FACILITY MANAGER

Ohio State University

An individual with extensive experience in production of transgenic mice is being sought to manage the Transgenic Mouse Core of the Keck Genetics Research Center at The Ohio State University. Candidates must have hands-on working knowledge of either standard pronuclear injection and embryo transfer methodologies or ES cell culture, homologous recombination, and blastocyst injection or aggregation methods for chimera production. The position title and salary will be commensurate with experience. Please send current curriculum vitae and the names of three references to: **Dr. John Oberdick, Transgenic Search, The Ohio State University Neurobiotechnology Center, 190 Rightmire Hall, 1060 Carmack Road, Columbus, OH 43210.**

DIRECTOR, OFFICE OF NEW ANIMAL DRUG EVALUATION Food and Drug Administration Center For Veterinary Medicine (CVM)

CVM is part of the Department of Health and Human Services, Food and Drug Administration (FDA) and is located in Rockville, MD. The Director, Office of New Animal Drug Evaluation is responsible for: planning, managing and directing the evaluation of the safety and efficacy of new animal drugs in pharmaceutical dosage forms or for use in animal feeds, and the safety aspects of drug and food additive residues remaining in food produced for human consumption from animals, intentionally or otherwise, administered drugs or food additives; review and determination of the adequacy of information submitted in support of proposed use of investigational new animal drug applications; the evaluation of manufacturing methods and procedures for new animal drug products; the coordination of development and implementation of regulations and policies pertaining to new drugs intended for animal use; and participation in international activities designed to harmonize the drug approval processes. Although this executive position is advertised as full-time and permanent, there is the option available to fill the position on a two-year temporary assignment under the provisions of the Intergovernmental Personnel Act (IPA). Salary range is \$92,060 to \$166,700. Applicants must have an advanced degree, i.e., D.V.M. or M.D. or Ph.D. (in Toxicology or Pharmacology or closely related field). Candidates must also have managed a multitasked, multidisciplinary scientific organization, possess knowledge of the review process, basic knowledge of food safety concerns in consideration of agricultural practices and public health, and a demonstrated ability to build and cultivate strong working relationships among people and organizations with diverse interests and/or opinions. Submit application materials by July 12, 2002, to: **Arlene Karr, Office of Human Resources and Management Services, Food and Drug Administration, Room 7B-32, HFA-408, Parklawn Building, 5600 Fishers Lane, Rockville, Maryland 20857.** For further information contact **Arlene Karr; Telephone: 301-827-4183.**

FDA is an Equal Opportunity Employer and FDA is smoke free.

The Breast Cancer Research Program at the Arkansas Cancer Research Center, University of Arkansas for Medical Sciences, has several **RESEARCH ASSISTANT** or **RESEARCH ASSOCIATE PROFESSOR** positions available immediately in the areas of Biacore/proteomics, metastasis, tumor immunology/vaccinology, immunotherapeutics, and tumor stem cell biology. Send curriculum vitae and summary of research plans to: **Director of Basic Breast Cancer Research, University of Arkansas for Medical Sciences, Slot 725, Little Rock, Arkansas, 72205.**

CENTER DIRECTOR

The Nathan Kline Institute (NKI) invites applications from individuals for both Clinical and Scientific Directors of the Center for Advanced Brain Imaging (CABI). Full-time, tenured or tenure-track faculty appointments are available at the New York University School of Medicine in the Departments of Psychiatry and/or Radiology for qualified applicants. Other faculty positions are also available. Successful applicants will have a strong background in psychiatric neuroimaging and related sciences, a strong track record of funding, and demonstrated leadership abilities. NKI is located in the scenic Hudson River Valley region of New York, 15 miles north of Manhattan, and is a New York University School of Medicine affiliated institute. The CABI office and laboratory facilities encompass over 15,500 square feet and are designed for multi-disciplinary clinical, diagnostic, and basic research applications of MR and house three MR systems: a 1.5 Tesla Siemens Vision unit for clinical and research use, a 3.0 Tesla 80 cm bore SMIS unit for human research, and a 7.0 Tesla 40 cm bore SMIS unit for basic research. The CABI supports brain research into numerous mental health-related disorders, including schizophrenia, dementia, CNS injury, memory deficits, and drug therapies. Scientific and research support staff includes physicists, psychologists, and computer scientists, and research efforts are initiated by NKI staff research scientists as well as collaborative scientists from regional academic centers. Applicants should send curriculum vitae, a statement of research interests, and a list of references to: **Ralph A. Nixon, Ph.D., M.D., Chair, Search Committee, Nathan Kline Institute, 140 Old Orangeburg Road, Orangeburg, NY 10962.** Equal Opportunity Association/Affirmative Action.

FACULTY POSITION University of Missouri Vision Sciences

The Mason Eye Institute and the College of Veterinary Medicine at the University of Missouri in Columbia invite applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** rank. Appointment at the Associate Professor level is possible for candidates with existing extramural grant support and the appropriate credentials. Candidates must have a Ph.D., D.V.M., or M.D. degree and suitable postdoctoral training. We seek candidates who will complement and enhance existing research in retinal and neural degenerative diseases, lens biochemistry, ocular complications of diabetes, glaucoma, and corneal or conjunctival diseases. Applications are particularly encouraged from those who employ stem cell transplantation, gene therapy, molecular genetics, and immunological techniques. The successful candidate will be expected to establish an independent funded research program and to participate in teaching in an area related to his/her expertise. Review of applications will begin July 1, 2002, and continue until an acceptable candidate is identified. Applicant should send a statement of research interests and plans, curriculum vitae, representative publications, and the names and addresses of three references to: **Martin L. Katz, Ph.D., Chair, Vision Sciences Search Committee, University of Missouri School of Medicine, Mason Eye Institute, One Hospital Drive, Columbia, MO 65212.**

DIRECTOR OF GRADUATE STUDIES PROGRAM

Will manage botanical science program for Ph.D., Master, and Fellow students. Must possess Ph.D. in Botany or related field; teaching experience at the university level; and demonstrated administrative, interpersonal, and research skills. Spanish and/or Portuguese knowledge preferred. Competitive salary with excellent benefits, including four weeks vacation. Send curriculum vitae, cover letter, and three references to: **Recruiter-DGS, The New York Botanical Garden, 200th Street and Kazimiroff Boulevard, Bronx, New York 10458-5126.** Email: hr@nybg.org. Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

PEW

Latin American
FELLOWS
PROGRAM in the
BIOMEDICAL
S·C·I·E·N·C·E·S

The Pew Latin American Fellows Program in the Biomedical Sciences provides support for young scientists from Latin America for post-doctoral training in the United States.

Ten Fellows will be selected in 2003. An award of \$50,000 will be provided as a salary stipend for the fellow during the period of training (2 years) and will be administered by the sponsoring U.S. institution. The sponsoring institution is required to supplement the salary stipend with at least \$5,000 a year and to provide full medical benefits for the fellow. Following the two year fellowship, the Program will issue an additional \$35,000 award to the sponsoring institution to purchase equipment and supplies for the fellow to establish a laboratory in his or her home country.

Applicants must have held a Ph.D. and/or M.D. degree, or equivalent, for no more than five years as of July 1, 2003. Applicants who received their degree from schools in the U.S., Canada or Europe will not be accepted. Applicants may not have had previous post-doctoral training outside of Latin America, nor may they have begun a post-doctoral position in the U.S. prior to October 1, 2002. Applicants are not required to have a commitment of a position and laboratory space after the fellowship. However, applicants must submit a written statement of intent to return to Latin America. Fellows must accept a position and have confirmed laboratory space in Latin America by the end of the fellowship period in order to obtain the \$35,000 portion of the award.

Fellows will be selected on the basis of their promise as outstanding investigators, as well as the scientific merit of their research proposal, their record of training and how well their interests coincide with the laboratory of their sponsor in the United States. If potential applicants need assistance with the identification of an appropriate sponsoring laboratory in the United States, they may contact the Program Office before August 1, 2002. The program will accept applications from Mexico, Central and South America. Applications may be obtained from the Regional Committee contact listed here for each country or from our website at: www.pewlatinfellows.com

The application deadline is October 1, 2002. Winners will be notified in April 2003 and the fellowship should begin no later than August 2003.

APPLICATION DEADLINE IS OCTOBER 1, 2002

ARGENTINA

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All Other Countries

Silvia Montano de Jiménez
The Pew Latin American Fellows Program
3333 California Street, Suite 410
San Francisco, CA 94118
Phone: (415) 476-5116 Fax: (415) 476-4113
E-mail: montano@itsa.ucsf.edu

GLOBAL OPPORTUNITIES

Predix Pharmaceuticals

Head of Computational Drug Discovery

Predix Pharmaceuticals is a cutting edge drug discovery company that focuses on the discovery of novel drugs for G-protein coupled receptor (GPCR) related diseases.

Predix is recruiting for a position of Head of Computational Drug Discovery. The successful candidate will be responsible for several aspects of computational R&D, including molecular simulations, modeling and in silico screening, responsible for developing new computational tools for computer aided drug discovery.

Qualified candidates will have a Ph.D. degree in computational chemistry/biology, or a related scientific field; at least 5 years industry experience in computational drug discovery; proven experience in computational chemistry and molecular dynamics; experience in managing research projects; proficiency in a broad range of computational tools and scientific software; excellent interpersonal and management skills.

This position is located in Ramat-Gan, Israel.

To apply, please forward your curriculum vitae for position number #CDD-1, to e-mail: liora@predixpharm.com or mail to: **Predix Pharmaceuticals Ltd, Human Resources, 3 Hayetzira St., SAP Building, Ramat-Gan 52521, Israel. Fax: (972)-3-6128528.**

Equal Opportunity Employer

www.predixpharm.com

WISCONSIN

DIRECTOR

MOLECULAR DIAGNOSTIC GENOTYPING LAB

Marshfield Clinic, a nearly 700 physician-directed health care system, is seeking a qualified candidate to lead the Molecular Diagnostic Genotyping Laboratory in this "Newly Created" position at our main campus in Marshfield, serving both the Marshfield Laboratories and Marshfield Medical Research Foundation (MMRF).

As Director, areas of report include development of testing procedures (genotyping and related) and overseeing activities of the department; ensuring all methods are scientifically valid and comply with good laboratory practices; working closely with the administrative team to guide staff and to accomplish administrative functions; ensuring the department functions in a quality oriented, cost effective manner.

Requirements include:

- Ph.D. in Molecular Biology or a relevant medical genetics discipline with appropriate BC
- Minimum of 2 years experience in molecular diagnostic testing with emphasis on gene amplification, sequencing, polymerase chain reaction
- Understanding of industry of molecular diagnostics, genotyping and gene research

Marshfield Clinic provides a stimulating work environment and is dedicated to providing accessible, high quality health care, research and education through our 40 centers located in central, western and northern, Wisconsin. Marshfield is a progressive smaller city located in the center of the state within easy access of outdoor recreational activities and big city amenities.

If you are an experienced professional ready to meet the challenge of this opportunity, contact:

Mary Treichel
Physician Recruiter
MARSHFIELD CLINIC
1000 N. Oak Avenue
Marshfield,
Wisconsin 54449

800-782-8581, ext. 19774
Fax: 715-221-9779

E-mail:
treichel@mfdclin.edu

Website:
www.marshfieldclinic.org/recruit



Sorry. Not a health professional shortage area. An equal opportunity/affirmative action employer

POSITIONS OPEN

DIRECTOR Purdue University Cancer Center Drug Testing Facility

The Purdue University Cancer Center and the Department of Veterinary Pathobiology, Purdue University, are pleased to invite applications for a tenure-track faculty position in cancer research. The successful applicant will direct the Drug Development Shared Resource of the NCI-designated Purdue Cancer Center. The Purdue Cancer Center has an exceptional program in the development of new therapies for cancer. Personnel in the Drug Development Shared Resource evaluate the activity of these new therapies *in vitro* and *in vivo*. The Director of the Drug Development Shared Resource will interact with Cancer Center members to help plan the testing of compounds and analysis of results. The successful applicant will be expected to spend approximately 25 percent effort directing the Drug Testing Facility and other academic service activities, 25 percent effort in teaching in the professional medical curriculum, and 50 percent effort developing an independent research program. Minimum qualifications include a Ph.D. degree and at least two years of postdoctoral experience. A D.V.M., M.D., or equivalent degree and experience in *in vitro* and *in vivo* evaluation of cancer therapies are desired. Rank and salary will be commensurate with the candidate's education and experience. Review of applications will begin June 15, 2002, and continue until the position is filled. Applicants should submit a letter of intent, statement of professional career goals, curriculum vitae, and the names and addresses of three references to: **Harm Hogenesch, D.V.M., Ph.D., Department of Veterinary Pathobiology, School of Veterinary Medicine, Purdue University, West Lafayette, IN 47907. Telephone: 765-494-0596; FAX: 765-494-9830; e-mail hogenesch@purdue.edu.**

Purdue University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS Physiology and Pharmacology

The Department of Physiology and Pharmacology at Des Moines University Osteopathic Medical Center seeks applicants for two faculty positions: (1) **ASSISTANT or ASSOCIATE PROFESSOR** of Physiology; and (2) **ASSISTANT or ASSOCIATE PROFESSOR** of Pharmacology. Successful candidates are expected to develop an extramurally-funded research program. Primary teaching responsibilities include teaching medical, podiatric, and allied health students. Submit a letter of application stating which position you are applying for and include curriculum vitae, a statement of research interests, educational philosophy, and contact information for three letters of reference to:

Terriann Crisp, Ph.D.
Professor and Chair
Department of Physiology and Pharmacology
Des Moines University-Osteopathic
Medical Center
3200 Grand Avenue
Des Moines, IA 50312-4198

DMU is an Equal Opportunity Employer.

PHARMACOLOGIST

Biomedical Sciences Department of Tuskegee University is seeking a Pharmacologist at the Assistant/Associate Professorship level. The successful candidate will be expected to teach veterinary pharmacology and physiology and to develop an extramurally-funded research program. Furthermore, the candidate must have good written and oral communication skills. Interested persons should submit a letter of application, statement of career goals, curriculum vitae, and names of three references. The position will remain available until a suitable candidate is identified. Submit applications to: **Dr. Lanell Ogden, Search Committee, Biomedical Sciences, College of Veterinary Medicine, Tuskegee University, Tuskegee, AL 36088. Telephone: 334-727-8468; FAX: 334-727-8177; e-mail: ogden73@yahoo.com.** *Tuskegee University is an Equal Opportunity Employer.*

POSITIONS OPEN

THE UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER Making Cancer History™

FACULTY POSITION

The University of Texas M.D. Anderson Cancer Center seeks highly qualified applicants for tenure-track appointment as **ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR** in the department of Neuro-Oncology, with joint appointment in a basic science department. Generous start-up funds and excellent laboratory space are available. Candidates must have M.D. and/or Ph.D. and postdoctoral experience. Although we are generally interested in the areas of glial cell differentiation and development, genetic control of cell differentiation and transformation, stem cell biology and signal transduction, suitable candidates in all other fields will be considered. Current research in the department includes signal transduction, angiogenesis, developmental biology, transcription biology, and synthetic chemistry.

Applicants should send their curriculum vitae along with three letters of reference to: **W. K. Alfred Yung, M.D., Department of Neuro-Oncology, UT M.D. Anderson Cancer Center, Unit 431, 1515 Holcombe Blvd., Houston TX. 77030. Equal Employment Opportunity Employer/Smoke Free Environment. Women and minority candidates are encouraged to apply.**

RESEARCH SCIENTIST

Natural Product Chemistry and Plant Metabolic Profiling

Ceres, Inc. is a functional plant genomics company. We are seeking candidates to work in a cross-functional teamwork setting. The position requires a Ph.D. in chemistry, biochemistry, or a closely related field. MS graduates in the same areas will be considered depending on experience. Candidates must have in-depth knowledge and skills related to analytical instrumentation (LC/GC/MS, HPLC, and NMR) and must be able to develop and validate bioanalytical procedures. Responsibilities include conducting chemical analyses relevant to quantifying and identifying plant metabolites. Candidates will be working closely with Plant Molecular Geneticists to support studies related to plant metabolic engineering. Ceres Inc. offers a competitive salary, health benefits, 401K, and stock options. Interested applicants should email their resume and list of references to: **e-mail: ceres-hr@ceres-inc.com; Attention: Human Resource Manager.** Please refer to Job Code SC-0602.

ASSOCIATE RESEARCH SCIENTIST positions are available in the Department of Anatomy and Cell Biology at Columbia University. Funding is available to study the role of SNAREs and Rab proteins in regulated secretion by endocrine cell. Separate funding is also available to study the role of the actin cytoskeleton in control of mitochondrial motility and inheritance in budding yeast. All candidates must have a Ph.D. or an M.D. degree and at least three years of postdoctoral experience. Interested candidates should send a cover letter with area of interest, curriculum vitae, and three references to: **Attention: Associate Research Scientist Positions, Department of Anatomy and Cell Biology, Columbia University, 630 West 168 Street, New York, NY 10032.** *We take Affirmative Action toward Equal Employment Opportunity.*

POSTDOCTORAL POSITION available immediately to study the effect of exercise, diet, simulated microgravity, and/or gender on vascular and cardiac myocyte ion channels (NIH/NASA). Ph.D. and background in exercise, vascular, or cardiac physiology required. Send curriculum vitae and contact information for three references to: **Doug Bowles, Biomedical Sciences, E102 Veterinary Medicine, University of Missouri, Columbia, MO 65211. E-mail: BowlesD@missouri.edu. Website: http://www.cvm.missouri.edu/vbms/index.html.**

POSITIONS OPEN

FACULTY POSITIONS

Southern Illinois University, Carbondale

The Department of Physiology at Southern Illinois University School of Medicine, Carbondale, invites applications for two tenure-track faculty positions. The University has over 22,000 students, making it the second largest public comprehensive university in Illinois, and is located two hours southeast of St. Louis, Missouri, on the border of the scenic Shawnee National Forest. The Department has an established graduate and undergraduate program, with active research interests in molecular, cellular, and systemic physiology. While the candidates specific area of research is open, it should be competitive for extramural funding and preferably would complement existing departmental strengths in cancer biology, aging, neuroscience, reproduction, and endocrinology. We primarily seek to fill the positions at the Assistant Professor level, however, funded and well-qualified individuals would be considered at the Associate Professor level and are encouraged to apply. The successful candidate will be expected to contribute to the medical school graduate and/or undergraduate teaching responsibilities of the Department. The position includes a 12-month, state-funded, competitive salary, modern and spacious research facilities, and substantial start-up funds. Applicants must have a Ph.D. (or equivalent degree) with postdoctoral experience and evidence of high-quality research potential. Additional Departmental information can be obtained via the following website: <http://www.siumed.edu/physiology/>.

Applications will be reviewed beginning August 15, 2002, and will continue until the positions are filled. Applicants are asked to submit curriculum vitae, a description of research and teaching interests, and arrange to have at least three letters of reference sent to:

**Faculty Search Committee
c/o Dr. Rick Steger
Department of Physiology
Southern Illinois University
School of Medicine
Carbondale, IL 62901-6512**

Southern Illinois University, Carbondale is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS University of Michigan

Postdoctoral positions available now and in the fall to study the regulation of nuclear function and gene expression by lipid mediators. Studies will use biochemical, molecular, proteomic, and genomic approaches in examining the effects of lipid mediators. The ideal candidate will have a strong background in cellular and molecular biology as applied to nuclear function. As part of an NIH-funded training program in medical research, these three year appointments offer interdisciplinary training in a world-class research environment. *NIH-funded postdoctoral training programs are available for U.S. citizens or permanent residents.* Interested applicants should send curriculum vitae with names and contact information for three references to: **Thomas G. Brock, Department of Internal Medicine, University of Michigan, Ann Arbor, MI, 48109-0642. E-mail: brocko@umich.edu.** *The University of Michigan is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS in molecular and cellular parasitology are available at Seattle Biomedical Research Institute in the following areas: (1) ribosome biogenesis and protein synthesis in the malaria parasite *Plasmodium falciparum*; (2) *P. falciparum* cytoadherence, pathogenesis, and vaccine discovery; (3) cell biology of trypanosomes and Leishmania. Experience in molecular biology required. Further details see our website: <http://www.sabri.org/>. Send curriculum vitae and names of three references to: **Dr. Jean Feagin (position 1), Dr. Joseph Smith (position 2), or Dr. Marilyn Parsons (position 3) at: Seattle Biomedical Research Institute, 4 Nicker-son Street, #200, Seattle, WA 98109-1651.** *Equal Opportunity Employer.*

The Department of Radiology at Indiana University School of Medicine is hiring a **Magnetic Resonance (MR) Facility Manager** for a new multi-modality molecular imaging center. The imaging center will include a new 9.4 T, 31cm, horizontal bore MR system and a 400 MHz, 89mm, vertical bore MR system equipped with micro imaging accessory. The duties of the position include regular maintenance and trouble shooting of MR equipment, provide technical support for developing new MR applications, and assist/train users in performing MR experiments. Candidate for the position should have a Ph.D. in physics, physical sciences, engineering or a related field. Experience with biomedical MR, preferably with GE (Omega), Varian or Bruker MR systems will be advantageous. Strong programming skills in UNIX environment, knowledge of electronics and experience with RF coil construction are highly desirable.

Applications should include a current curriculum vitae, a brief letter of introduction, and contact information (with email addresses) for at least three letters of reference to: **Navin Bansal, Ph.D., Department of Radiology, Indiana University, 541 Clinical Drive, Room 157, Indianapolis, IN 46202-5111, Office: (317) 274-2067. Fax: (317) 274-8124, email: radjobs@iupui.edu.**

Indiana University is an EEO/AA Employer, M/F/D.

**Assistant Professors (2)
Molecular Oncology
Southern Illinois University School of Medicine**

The SIU Cancer Institute is recruiting two junior Investigators in the general area of molecular oncology. Successful applicants will possess appropriate education including postdoctoral training in a basic science discipline relevant to cancer. These are tenure-tracking positions with an academic appointment in one of the basic science departments of the medical school (Medical Microbiology/Immunology or Pharmacology) and a cross-appointment in the Cancer Institute.

The SIU Cancer Institute has received state funding to provide generous start-up packages. New laboratories are being constructed and will be available this fall. A new cancer building with state-of-the-art facilities is currently under development and should be finished within two years. The eventual goal of the Cancer Institute is to hire 15 to 20 new research faculty.

Applicants should submit a letter of interest, curriculum vitae including history of external funding, a description of research plans and the names and addresses of three professional references. This position has been designated security-sensitive and employment is contingent upon the results of a criminal background investigation. Applications will be reviewed after August 1, 2002 and continue until the positions are filled.

Application should be sent to: **Edward J. Moticka, Ph.D., Associate Dean for Research and Faculty Affairs, Southern Illinois University School of Medicine, PO Box 19616, Springfield, IL 62794-9616.**

Southern Illinois University is an AA/EEO Employer.



Chairman, Department of Biochemistry

The Medical College of Wisconsin (MCW) invites established scientists with vigorous research programs and strong leadership skills to apply for the position of Chairman of Biochemistry. The successful candidate will assume leadership of a nationally distinguished department with 12 full-time, funded investigators who are pursuing high-quality research programs as well as contributing to medical and graduate education. Areas of research encompass structural biology, enzymology, biological oxidation, and cellular and molecular biology.

This recruitment is taking place in the context of rapid growth and expansion of the Medical College, and the successful candidate will play a major role in integrating an expanded Biochemistry faculty into MCW initiatives in cancer research, human and molecular genetics, cardiovascular research, and neuroscience.

MCW offers a dynamic intellectual environment in a community with an excellent quality of life. Interested applicants should submit a full curriculum vitae and letter of interest to:

Biochemistry Search Committee, c/o Office of the Dean
Medical College of Wisconsin, 8701 Watertown Plank Rd.
Milwaukee, WI 53226

Questions may also be directed to Dr. Paula Traktman, Chairman of the Search Committee, at ptrakt@mcw.edu. For more information, visit the departmental web site at <http://www.biochem.mcw.edu/home.html>. **MCW encourages applications from women and minority candidates.**

EOE/M/F/D/V



**St. Jude Children's
Research Hospital**

ALSAC • Danny Thomas, Founder

**POSTDOCTORAL POSITION IN IMMUNOLOGY
(REQ #1123)**

A postdoctoral position is available for an enthusiastic, hardworking individual to work in the negative regulation of T cell function and homeostasis. This study will focus on the molecular mechanism of LAG-3 function and subsequent signal transduction.

You should have a Ph.D. and/or MD, a solid understanding of basic immunology, and practical experience in molecular biology, biochemistry and/or cellular immunology. Information on our research can be found at www.stjude.org/departments/vignali.htm

St. Jude Children's Research Hospital has a highly interactive research environment and state-of-the-art facilities including core laboratories for proteomics, microarray analysis of gene expression, transgenic/knock-out technology, etc. Competitive stipends are available as well as a benefit package that includes professional developmental funds for journal subscriptions and travel to meetings.

Send a CV with the names of three references (postal and E-mail addresses, phone and fax numbers) and an outline of your past accomplishments and future career aspirations, including REQ #1123, to: **Dr. Darlo Vignali, Department of Immunology, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis, TN 38105. Ph: 901-495-2332. Fax: 901-495-3107. E-mail: darlo.vignali@stjude.org**

**St. Jude Children's Research Hospital is an
Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN



ASSISTANT/ASSOCIATE/FULL PROFESSOR

Behavioral Neuroscience/Pharmacology

The Department of Pharmacology, University of Tennessee Health Science Center (**web-site: www.utmeh.edu/pharmacology**) invites applications for two tenure-track faculty positions in the area of Behavioral Neuroscience or Behavioral Pharmacology. We seek faculty members who will be major contributors to the UT Center of Excellence in the Neurobiology of Brain Diseases. Each faculty member will direct an independent program in some aspect of psychopharmacology or drug abuse research. Ideal candidates will be those who employ an integrative, mechanistic approach, utilizing neurochemical, molecular, or electrophysiological techniques to complement their behavioral research. Candidates should be enthusiastic about engaging in collaborative research within a highly interactive community of neuroscientists and being involved in the establishment and operation of a core laboratory for research involving animal behavior. Applicants should have a doctorate in pharmacology, neuroscience, experimental psychology, or a related discipline, and relevant postdoctoral experience; a strong, extramurally-funded research program is required for consideration at the more senior ranks. Please send curriculum vitae, a statement of research interests, and three letters of reference to: **James M. O'Donnell, Ph.D., Behavioral Neuroscience Search Committee, University of Tennessee Health Science Center, 874 Union Avenue, Memphis, TN 38163.** Applications will be reviewed beginning August 1, 2002, but will continue to be accepted until the positions are filled. *The University of Tennessee is an Equal Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*

POSTDOCTORAL POSITION available immediately to study the multimolecular complexes at plasma membrane (PM)-endoplasmic reticulum (ER) junctions that regulate ER Ca²⁺ storage and release in the nervous system. The successful candidate will apply molecular biological and digital imaging methods to determine how the PM-ER signaling complexes are organized and how they function in cultured glia and neurons. Applicants should have a Ph.D. and/or M.D. and a strong background in molecular and cellular neuroscience. Curriculum vitae, a statement of research experience and career goals, and contact information (including telephone numbers and e-mail addresses) for three references should be sent to: **Dr. Mordecai P. Blaustein, University of Maryland Medical School, Department of Physiology, 655 West Baltimore Street, Baltimore, MD 21201; e-mail: mblauste@umaryland.edu.** *UMB is an Equal Opportunity Employer.*

A **POSTDOCTORAL POSITION** is available to study G-protein signaling and leukocyte activation. Highly motivated individuals with a Ph.D. or M.D. degree and experience in cell biology, immunology and biochemistry are encouraged to apply. Prior experience with small animal models is preferred. Send curriculum vitae and names of three references to: **Dr. Richard Ye, Department of Pharmacology, M/C 868, University of Illinois at Chicago, 835 South Wolcott, Chicago, IL 60612. E-mail: yer@uic.edu.**

POSITIONS OPEN

RESEARCH CHAIR In Developmental Neurobiology

The Department of Anatomy, University of British Columbia, is seeking to identify candidates for a Canada Research Chair, Tier II, Assistant Professor level, funded through the federal government program. We are seeking an individual with a Ph.D. or M.D. who has demonstrated an ability to develop an outstanding research program and attract extramural funding. Candidates who utilize model systems to examine fundamental processes in developmental neurobiology will be considered. Specific areas of research will include, but will not be limited to, neuronal stem cells, early neuronal differentiation and fate determination, neuronal migration and process outgrowth, neuronal plasticity and death. The candidate will also contribute to and develop interactive course platforms in the multidisciplinary graduate programs in Cell and Developmental Biology and the Graduate Program in Neuroscience.

Applicants should submit curriculum vitae; a statement of research interests and plans; and the names, addresses, and telephone numbers of at least three references by August 31, 2002, to: **Search Committee, Department of Anatomy, University of British Columbia, 2177 Wesbrook Mall, Vancouver, BC, V6T 1Z3, Canada.** Potential candidates are encouraged to check our **website: www.anatomy.ubc.ca.** *The University of British Columbia hires on the basis of merit and is committed to Employment Equity. We encourage all qualified persons to apply. There is no restriction with regard to nationality or residence, and the position is open to all candidates. Offers will be made in keeping with immigration requirements associated with the Canada Research Chairs program.*

FACULTY POSITIONS Genetics and Biochemistry

West Virginia University, Davis College of Agriculture, Forestry and Consumer Sciences, is seeking to fill two tenure-track positions to strengthen the research focus in biotechnology. The positions are nine-month appointments at the rank of **ASSISTANT/ASSOCIATE PROFESSOR**. One position is in genetics and will be administratively located within the Division of Plant and Soil Sciences, which houses the interdepartmental program in Genetics and Developmental Biology. The other is in biochemistry and will be in the Division of Animal and Veterinary Sciences. The successful candidates will be expected to develop independent, innovative research programs utilizing molecular biology/functional genomics at the cutting edge of modern research and establish a graduate program that attracts M.S. and Ph.D. students.

Applicants must have a Ph.D. in genetics, biochemistry, or a closely related field; have an established record of outstanding potential for research; and effective communication skills. Teaching responsibilities are flexible, but an expected part of the positions. Submit application letter with specific information about disciplinary focus and professional activities; curriculum vitae; transcripts; names, addresses, and telephone numbers of three references; and sample publications to:

**Dr. Barton S. Baker, Director
Division of Plant and Soil Sciences
West Virginia University
P.O. Box 6108
Morgantown, WV 26506-6108
Telephone: 304-293-4817
FAX: 304-293-2960**

Applications accepted until September 1, 2002, or until the positions are filled. The anticipated starting date is November 1, 2002. *Women, minorities and those with disabilities are encouraged to apply. West Virginia University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



Arena is a leading biopharmaceutical company located in San Diego, California, focused principally on discovering and developing drugs that target G protein-coupled receptors. We are seeking candidates for the following position:

CARDIOVASCULAR RESEARCH SCIENTIST Position requires an M.S./M.D./Ph.D. in biology/physiology with specific training in cardiovascular anatomy and physiology. The successful candidate will have experience with small animal cardiovascular surgery as applied to models of heart failure. Microsurgical skills and ability to measure cardiac function in rodents is required.

Arena offers an exciting work environment, competitive salary, and an excellent benefits package including 401(k) and stock options. Respond to e-mail: **jobs@arenapharm.com**. Send or FAX résumés to: **6166 Nancy Ridge Drive, San Diego, CA 92121 FAX: 858-453-7210.** Please reference job code: CARD05.

ASSISTANT/ASSOCIATE PROFESSOR (Tenure track)

Comparative Biomedical Sciences

Required qualifications: Ph.D. or equivalent degree in biological/biomedical sciences or related field, postdoctoral experience, research background in cell/molecular biology, ability to teach in a team-taught course in the professional curriculum, and have or will have extramural funding. Responsibilities: Establishes and maintains an extramurally funded research program and teaches in the professional curriculum and in a graduate course. Salary and rank will be commensurate with qualifications. Application deadline is August 1, 2002, or until candidate is selected. Submit letter of application and résumé to:

**Gary E. Wise, Ph.D.
Professor and Head
Comparative Biomedical Sciences
Reference Number 000638
Baton Rouge, LA 70803
Telephone: 225-578-9889**

LSU is an Equal Opportunity/Equal Access Employer.

RESEARCH ASSOCIATE

To direct hour-to-hour activities of a research laboratory focused on epithelial biology of intestinal epithelia as it relates to eukaryotic-prokaryotic interactions and to interactions between inflammatory cells and epithelial cells. Direction of technicians and Postdoctoral Fellows as well as direct participation in the projects would be necessary and thus a broad background in the above fields would be optimal. The laboratory will be transferring to Chicago summer 2002 and will be adjacent to other laboratories focused on epithelial biology of the intestine. The Principal Investigator has been active in the above areas for several years, is well funded via NIH, and will serve as Dean of the School of Medicine and Biological Sciences Division. Please send curriculum vitae with cover letter and direct two letters of reference to:

**James L. Madara, M.D.
Dean, Division of the Biological Sciences and
the Pritzker School of Medicine
Vice President for Medical Affairs
The University of Chicago
5841 South Maryland Avenue, MC 1000
Chicago, IL 60637**

Applications should be received by July 1, 2002. *The University of Chicago is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

GRANTS



Research Grants Call for Applications

The American Health Assistance Foundation invites applications from researchers at non-profit institutions for the following programs:

Alzheimer's Disease Research: grant awards for Standard Awards, a maximum of \$100,000 per year, up to two years, or Pilot Project Awards, a maximum of \$50,000 per year, up to two years, for research into the causes and treatment of Alzheimer's disease.

Application Deadline: October 15, 2002

National Glaucoma Research: grant awards of up to \$35,000 per year for up to two years for research into the causes and treatment of glaucoma.

Application Deadline: November 15, 2002

National Heart Foundation: starter grants of up to \$25,000 for one year of research into the cause and treatment of stroke or cardiovascular disease. To qualify for a starter grant, the investigator must be an assistant professor (or equivalent).

Application Deadline: November 1, 2002

Macular Degeneration Research: grant awards of up to \$50,000 for one year of research into the causes and treatment of macular degeneration. Letters of intent due July 16, 2002

For application forms and guidelines please visit our website at www.ahaf.org, call: 301-948-3244 or email: smohanah@ahaf.org

The
Juvenile
Diabetes
Research
Foundation
International
(JDRF) is the
world's leading
non-profit,
non-govern-
mental funder
of diabetes
research (up to
\$100 million
in current
fiscal year).



Juvenile
Diabetes
Research
Foundation
International

dedicated to finding a cure

Scientific Program Manager

The Scientific Program Manager will play an essential role in carrying out JDRF's research grant program, training award program, and implementing partnerships with governments and industry. Additional responsibilities include: arranging/overseeing review of research grants and administration of these awards; helping to determine program priorities and tracking/analyzing/evaluating the Foundation's research activities; and coordination of committees and research collaborations among institutions. Ph.D., M.D. or equivalent degree in biological/biomedical sciences, such as immunology, physiology, endocrinology, genetics, biochemistry, or related areas required. Postdoctoral experience or equivalent preferred. Excellent writing, verbal, and interpersonal skills are essential. Some travel required.

Please submit resume to:

Juvenile Diabetes Research Foundation International

Attn: Human Resources-SPM

120 Wall Street, 19th Floor, New York, NY 10005-4001

Fax: 212-785-9595

EOE M/F/D/V

Science, in collaboration with
Medicon Valley Academy,
Copenhagen Capacity
and Region Skåne,
will publish a

EUROPEAN CAREERS REPORT in the 19 JULY 2002 issue

featuring career opportunities
in the Medicon Valley region.

BOOKING DEADLINE: 2 JULY 2002



For recruitment/profile advertisements,
please contact Tracy Holmes:

Tel +44 (0) 1223 326 525

Fax +44 (0) 1223 326 532

E-mail tholmes@science-int.co.uk

Science @
CAREERS
www.sciencecareers.org



Molecular Biology Research Position National Cancer Institute

The Thoracic Oncology Section, Surgery Branch, NCI seeks to recruit an experienced molecular biologist to extend ongoing studies pertaining to gene induction in thoracic malignancies mediated by DNA demethylating agents and HDAC inhibitors. Experiments will focus on analysis of gene expression in cultured cancer cells as well as biopsy specimens from patients receiving Decitabine, Dapsipeptide, or sequential Decitabine/Dapsipeptide treatment. Candidates must have documented expertise in molecular biology techniques including recombinant viral vector production, as well as experience or familiarity with cDNA arrays, MSP, bisulfite sequencing and ChIP techniques. Title and salary will be contingent on qualifications.

Please send cover letter, curriculum vitae, and statement of research interests to:

David S. Schrupp, M.D.
Head, Thoracic Oncology Section
Surgery Branch
National Cancer Institute
Building 10, Room 2B-07
Bethesda, MD 20892-1502
Tel: 301-496-2128
Fax: 301-402-1788
Email: David_Schrump@nih.gov

*The National Cancer Institute is an Equal Employment
and Affirmative Action Employer that values and fosters
diversity throughout the entire organization.*

POSITIONS OPEN

RETROVIROLOGY POSTDOCTORAL FELLOW position available at the University of Washington. Our research interests include the identification and characterization of viral and host factors that may control HIV infection, thus may lead to the development of a vaccine or new therapeutic strategies to prevent or control HIV-1 infection. Specifically, the candidate may study (1) the interactions of HIV-1 with co-receptors, chemokines, and antibodies in cell lines and primary cells including monocytes, or (2) host factors that may suppress HIV-1 replication. Experience with construction of chimeric virus, primary cell/viral culture, and cell line establishment (including construction of expression vector) preferred. The candidates should have a Ph.D., or M.D., or equivalent degree. Job will remain open until filled. The salary is commensurate to experience with excellent benefits. Please send curriculum vitae and contact information of three references to: **Dr. Tuofu Zhu, Department of Laboratory Medicine, University of Washington, Box 358070, Seattle, WA 98195-8070. FAX: 206-732-6055; E-mail: tzhu@u.washington.edu.** The University of Washington is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH SCIENTIST/ ASSOCIATE RESEARCH SCIENTIST Columbia University, New York

The Department of Anesthesiology at Columbia University seeks a Scientist at the Postdoctoral or Research Assistant Professor level depending on the level of training and experience. This position will offer the opportunity for an individual to study anesthetic modulation of cell death after ischemic-reperfusion injury utilizing molecular/cell biology techniques and *in vivo* animal models. The successful candidate will be expected to develop an independent research program and obtain extramural funding within two years of recruitment. Candidates should have a Ph.D. or M.D. and a background in molecular biology and/or cell biology. Curriculum vitae and the names of three references should be sent to:

H. Thomas Lee, M.D., Ph.D.
Department of Anesthesiology
P and S Box 36
630 West 168th Street
New York, NY 10032
E-mail: tl128@columbia.edu

Columbia University is an Affirmative Action/Equal Opportunity Employer.

Two **POSTDOCTORAL POSITIONS** are available at the University of Pennsylvania School of Medicine to implement novel technologies for the immunotherapy of autoimmunity and cancer. Cellular, molecular, and immunological techniques will be utilized in transgenic mouse disease models. Applicants must have a Ph.D. in immunology, molecular biology, or cell biology; have knowledge of basic laboratory techniques; and be familiar with flow cytometry and cell cultures. The candidate will work with faculty, other Postdoctoral Researchers, and technical staff in a stimulating NIH-funded, research environment. Send a letter of interest and curriculum vitae to: **Mark L. Tykocinski, M.D., Simon Flexner, Professor and Chair, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, 3400 Spruce Street, 6.036 Gates, Philadelphia, PA 19104-4283. E-mail: mlt4@mail.med.upenn.edu.** Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION Fungal Molecular Biology and Genomics

To study gene isolation, regulation, and expression in white rot basidiomycete with focus on novel P450 monooxygenase genes for xenobiotic metabolism and biocatalysis. Studies will involve cDNA cloning, DD-RT-PCR, SSH, EST, and microarray analyses. Apply to: **Dr. Jagjit Yadav, Department of Environmental Health, University of Cincinnati, OH 45267. Telephone: 513-558-4806; FAX: 513-558-4397; e-mail: yadavjs@ucmail.uc.edu.**

POSITIONS OPEN



Pennington Biomedical Research Center, a Louisiana State University facility, is accepting applications for **RESEARCH ASSOCIATE** and **POSTDOCTORAL RESEARCHER** positions. For information on employment options, see our website: <http://www.pbrc.edu>.

Pennington Biomedical Research Center is an Equal Opportunity Employer.

POSTDOCTORAL POSITION Cardiovascular Neurophysiology

An NIH-funded Postdoctoral Fellowship is available immediately to investigate synaptic mechanisms regulating the excitability of autonomic cell groups in the hypothalamic paraventricular nucleus (PVN). Experience using electrophysiologic techniques (extra/intracellular recording, whole-cell patch clamp) is required and familiarity with fluorescent imaging, immunohistochemistry and/or *in situ* hybridization is desirable. A competitive salary and benefits package is available. Send curriculum vitae and a list of three references to: **Glenn M. Toney, Department of Physiology-7756, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900. Telephone: 210-567-4372; e-mail: toney@uthscsa.edu.** The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available immediately in a laboratory conducting research in the area of signal transduction to investigate the regulation of the multifunctional protein c-Cbl by a novel protein. Strong background in biochemistry and molecular biology is required. Interest in signal transduction is a plus. The position is funded from NIH and can be renewed annually. Salary will be commensurate with experience. Send cover letter, curriculum vitae, and names and addresses of three references to: **Dr. Alexander Y. Tsygankov, Department of Microbiology and Immunology, Temple University School of Medicine, 3400 North Broad Street, Philadelphia, PA 19140. E-mail: tsygan@temple.edu.** Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

A **POSTDOCTORAL POSITION** is available immediately to apply genomic techniques for studies of complex disorders (schizophrenia, nicotine dependence, and major depression). We plan to construct long range haplotypes for susceptible loci and candidate genes, and to compare haplotype structures between affected and unaffected subjects. Individuals with experience in homologous recombination, cell fusion/hybrid cell lines, YAC/BAC cloning and genomics/bioinformatics are highly preferable. More information is available on our website: <http://www.vipbg.vcu.edu>. Please respond to: **Dr. Sam Chen; e-mail: xchen@vcu.edu.** Virginia Commonwealth University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION in the Medical Science Division to study mechanisms of cellular resistance to anticancer drugs using biochemical, cellular, biological, and mouse genetic approaches. Please send curriculum vitae and list of references to: **Gary D. Kruh, Fox Chase Cancer Center, c/o Human Resources, 7701 Burholme Avenue, Philadelphia, PA 19111. E-mail: GD_Kruh@fccc.edu.** Equal Opportunity Employer.

POSTDOCTORAL or RESEARCH ASSOCIATE POSITION is available to study signal transduction pathways that control aging in *Saccharomyces cerevisiae*. Expertise in cell biology or signal transduction is essential. Send résumé with names of three references to: **Robert Dickson, Department of Biochemistry, University of Kentucky, Lexington, KY 40536. E-mail: bobd@uky.edu.**

POSITIONS OPEN

POSTDOCTORAL RESEARCHER for Multidisciplinary Study of Glassy-Winged Sharpshooter/Pierce's Disease

The Biological Invasions IGERT (website: <http://www.cpb.ucdavis.edu/bioinv>) and Division of College of Agriculture and Environmental Sciences at the University of California, Davis, seek a Postdoctoral Researcher who will use fundamental principles and multidisciplinary methods to help formulate an innovative approach to the spread, control, and remediation of the Glassy-Winged Sharpshooter and Pierce's Disease. Possible areas of approach for this position might include ecology and population biology, economics, political science, sociology, policy, mathematical modeling, and GIS/spatial modeling, as well as agriculture, entomology, and plant pathology. This is a three-year position with a salary of \$30,000 per year and benefits.

To apply, please send: (1) a cover letter that briefly identifies your reason for applying and lists the names of two or more IGERT faculty trainers who are willing to serve as mentors; (2) your curriculum vitae; (3) samples of representative publications or preprints; (4) a short description of proposed project; and (5) three letters of recommendation to: **Dr. Carole L. Hom, Academic Coordinator of the Biological Invasions IGERT, Center for Population Biology, University of California, One Shields Avenue, Davis, CA 95616.** Review of applications will begin 1 July 2002; this position will be open until filled. For more information, contact **Dr. Hom** at e-mail: clhom@ucdavis.edu.

POSTDOCTORAL POSITIONS available immediately in a molecular toxicology laboratory on two related projects: (1) effects of arsenic as an endocrine disruptor; and (2) effects of chromium on gene expression and the role of these effects in cancer, diabetes, and vascular disease. Experience in cell culture, molecular biology, and biochemistry techniques is required, and a background in either molecular toxicology, metals toxicology, or nuclear receptor/cell signaling biochemistry is highly desirable. Send curriculum vitae and names of three references to: **Dr. Joshua W. Hamilton, Dartmouth Medical School, 7650 Remsen, Hanover NH 03755-3835. E-mail: josh.hamilton@dartmouth.edu.** See also websites: <http://www.dartmouth.edu/~cehs> and <http://www.dartmouth.edu/~toxicmetal>. Dartmouth College is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWS/TECHNICIANS

Multiple positions are open immediately to study signaling pathways mediated by nuclear hormone receptors using X-ray crystallography. These positions require a B.S., M.S., or Ph.D. degree in biological sciences. Candidates with strong skills in molecular biology, protein biochemistry, crystallization, or structure determination are encouraged to submit a résumé. Send a brief cover letter describing interests and goals as well as the names and addresses of three references to: **Human Resources Department, Van Andel Institute, 333 Bostwick Avenue NE, Grand Rapids, MI 49503. E-mail: VARI-Employment@vai.org.** Equal Opportunity Employer.

Two **POSTDOCTORAL POSITIONS** in molecular neurobiology are available immediately to study molecular mechanisms controlling vesicular trafficking in neurotransmitter release or in neurodegenerative diseases. For information about our ongoing studies, please visit the website: <http://www.pharm.emory.edu/LI-LIAN.htm>. Highly motivated individuals with a recent Ph.D. and experience in molecular biology, cell biology, and/or biochemistry are encouraged to apply. Please send curriculum vitae and names of three references to: **Lian Li, Ph.D., Department of Pharmacology, Emory University School of Medicine, Atlanta, GA 30322-3090. E-mail: lianli@pharm.emory.edu.** Emory University is an Equal Employment Opportunity/Affirmative Action Employer.

Awards provide up to \$500,000 to support advanced postdoctoral training and initial faculty appointment.

Awards are made to U.S. and Canadian universities on behalf of individual scientists.

The Burroughs Wellcome Fund is an independent private foundation dedicated to advancing the medical sciences by supporting research and other scientific and educational activities.

P.O. Box 13901
21 T.W. Alexander Dr.
Research Triangle Park, NC 27709-3901
Telephone (919) 991-5100 Fax (919) 991-5160
Web site: www.bwfund.org

**RESEARCH
FUNDING OPPORTUNITY**

CAREER AWARDS IN THE BIOMEDICAL SCIENCES

These awards are intended to foster the development of biomedical researchers who are early in their careers and help them make the critical transition to becoming independent investigators. Candidates must be citizens or permanent residents of the U.S. or Canada at the time of application. Career awards provide \$500,000 for five years to bridge the advanced postdoctoral years and the first years of faculty service. BWF will make approximately 17 awards in 2003. Applications must be submitted by U.S. or Canadian degree-granting institutions on behalf of individual candidates. Candidates must have completed at least 12 months but not more than 48 months of postdoctoral research training by the application deadline. Approximately half of the awards will go to researchers with a Ph.D. degree and half to those with an M.D. or M.D.-Ph.D. degree, although there is no requirement to this effect. **Application deadline: October 1, 2002.**

Congratulations to BWF's 2002 Career Award Recipients!

Suzanne J. Admiraal, Ph.D.
Harvard Medical School

Vahe Bandarian, Ph.D.
University of Michigan-Ann Arbor

Cornelius F. Boerkoel, M.D., Ph.D.
Baylor College of Medicine

Richard K. Bruick, Ph.D.
University of Texas Southwestern
Medical Center-Dallas

Erin C. Gaynor, Ph.D.
Stanford University School of Medicine

Brian C. Lewis, Ph.D.
Weill Medical College of Cornell University

Minmin Luo, Ph.D.
Duke University

Margaret E. McLaughlin, M.D.
Massachusetts Institute of Technology

Catherine L. Peichel, Ph.D.
Stanford University School of Medicine

Matthew H. Porteus, M.D., Ph.D.
California Institute of Technology

Stephen W. Santoro, Ph.D.
Scripps Research Institute

Bradley L. Schlaggar, M.D., Ph.D.
Washington University School of Medicine

Kristin E. Scott, Ph.D.
Columbia University College of Physicians
and Surgeons

Donald C. Sheppard, M.D.
University of California-Los Angeles School
of Medicine

John B. Wallingford, Ph.D.
University of California-Berkeley

Jennifer A. Zallen, Ph.D.
Princeton University

Karen M. Zito, Ph.D.
Cold Spring Harbor Laboratory

INVESTIGATORS IN PATHOGENESIS OF INFECTIOUS DISEASE

These awards are intended to shed light on the overarching issues of how human hosts handle infectious challenge. The grants provide \$400,000 over five years for accomplished investigators at the assistant professor level to study pathogenesis, with a focus on the intersection of human and pathogen biology. The awards are intended to give recipients the freedom and flexibility to pursue new avenues of inquiry and higher-risk research projects that hold potential for significant advancement of the biochemical, pharmacological, immunological, molecular biological and physiological understanding of how infectious agents and the human body interact. BWF is particularly interested in work focused on the host, as well as host-pathogen studies originating in viral, bacterial, fungal, or parasite systems. Studies in this area may have their root in the pathogen, but the focus of the work should be on the effects on the host at the cellular and/or systemic levels. Research on under-studied infectious diseases, including pathogenic fungi, metazoan parasites and emerging viral diseases, is especially of interest. Applications must be submitted by U.S. or Canadian degree-granting institutions on behalf of individual candidates.

Application deadline: November 1, 2002.

ADDITIONAL FUNDING FOR MID-CAREER PHYSICIAN-SCIENTISTS

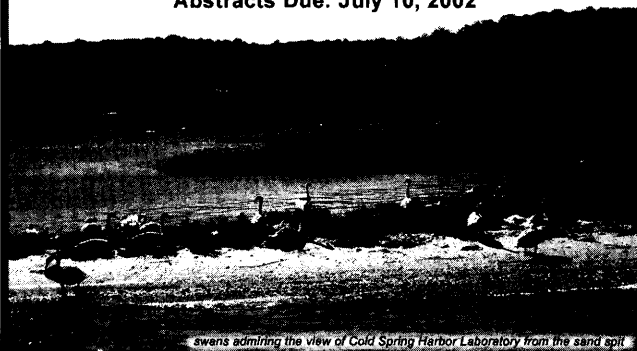
Clinical Scientist Awards in Translational Research offer \$750,000 over a period of five years to established independent physician-scientists at the associate professor level whose work links the laboratory bench and clinical medicine. **Application deadline: September 3, 2002.**

Complete program information and application forms are available on BWF's Web site at www.bwfund.org.

Molecular Genetics of Aging

October 2 - 6, 2002

Abstracts Due: July 10, 2002



Organized by:

Ronald DePinho, *Dana Farber Cancer Institute*
Terri Grodzicker, *Cold Spring Harbor Laboratory*
Leonard Guarente, *Massachusetts Institute of Technology*
Cynthia Kenyon, *University of California, San Francisco*

Sessions & Discussion Leaders

- **Model Systems I**
Leonard Guarente & Gary Ruvkun
- **Model Systems II**
Vicki Lundblad & John Tower
- **Metabolism, Oxidative Stress and the Biology of Aging**
Douglas Wallace & Arlon Richardson
- **Telomere Dynamics and DNA Damage Pathways**
Titia DeLange & Stephen Jackson
- **Cell Senescence and Telomeres**
Judith Campisi & Robert Weinberg
- **Cancer**
Scott Lowe & Douglas Hanahan
- **Degenerative Diseases and Aging Syndromes**
George Martin & Rudolph Tanzi
- **Genomics and Stem Cells**
Irving Weissman & Helen Blau

Summer & Fall 2002 CSHL Meetings

- **Cancer Genetics and Tumor Suppressor Genes** Aug 14 - 18
- **Molecular Genetics of Bacteria & Phages** August 20 - 25
- **Mouse Molecular Genetics** August 28 - September 1
- **Translational Control** September 10 - 15
- **Dynamic Organization of Nuclear Function** Sept 18 - 22
- **Axon Guidance & Neural Plasticity** September 25 - 29
- **Germ Cells** October 9 - 13
- **Human Origins & Disease** October 30 - November 3
- **Tissue Engineering** November 21 - 24
- **Therapeutic Opportunities in Neurodegenerative Diseases** December 5 - 8
- **Comparative Plant Genomics** December 12 - 15

Cold Spring Harbor Laboratory

Meetings & Courses Programs

1 Bungtown Road, Cold Spring Harbor, NY 11724

www.cshl.edu/meetings Tel: (516) 367-8346

Fax: (516) 367-8845 email: meetings@cschl.edu

FELLOWSHIPS

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

The **National Research Council**,
The **Naval Medical Research Center**
and the
**Walter Reed Army Institute of
Research**

announce a program entitled
the **Ellison Medical Foundation-NRC
Postdoctoral & Senior Fellowships**

The National Research Council (NRC) will offer competitive awards for postdoctoral research to be conducted on the molecular pathogenesis of infectious diseases in residence at the Army and Navy overseas laboratories. Laboratories are located in Lima, Peru; Cairo, Egypt; Jakarta, Indonesia; Nairobi, Kenya; and Bangkok, Thailand. The focus is to employ molecular technology to better understand the infection process and the factors that determine and control the outcome of infections. The ultimate aim is to generate critical knowledge needed to develop prevention and treatment strategies for infectious diseases.

Stipend: \$39,270 per annum for recent Ph.D. recipients-
higher for additional experience

Benefits: Support for research supplies, mission travel,
relocation, health insurance, school tuition for
children, housing costs and emergency leave

Duration: One year with potential for extension

Deadline: August 15, 2002 Future deadlines will be
posted on the NRC Web site listed below.

**Prospective applicants should contact the individuals
listed below for more specific information.**

Navy Labs:

Dr. Curtis G. Hayes, NMRC Director
Infectious Diseases Directorate, U.S. Naval Medical
Research Center, Bldg. 503, Room No. 3s04a,
503 Robert Grant Avenue, Silver Spring, MD
20910-7500

Tel: 301-319-7455

Fax: 301-319-7460

E-mail: hayesc@nmrc.navy.mil

Army Labs: Dr. Sara Rothman, Walter Reed Army
Institute of Research, Bldg. 503, Room No. 1w30,
503 Robert Grant Avenue, Silver Spring, MD
20910-7500

Tel: 301-319-9019

Fax: 301-319-9961

E-mail: Sara.Rothman@NA.AMEDD.ARMY.MIL

Application materials are available on the NRC Web site at:
www.national-academies.org/rap

Questions about the application process should be
directed to the National Research Council, Tel: 202-334-
2760, Fax: 202-334-2759; E-mail: rap@nas.edu

Creating the future of biotech—Together

Invitrogen's Research Tools Development Grants Program provides funding for investigators developing innovative tools for use in life science research, including investigators working in academics, not-for-profit institutions, and for-profit companies. Total funding is US\$5 million per year, with annual individual awards of up to US\$100,000. Grants are provided quarterly; each quarter focuses on a specific field of interest.

Third quarter 2002 funding is for the area of **separations and purification**—novel physical (electrophoresis), chemical (affinity exchange) or biochemical (antibody) approaches for the separation and/or purification of biomolecules (nucleic acids and proteins) in molecular and cell biology. Proposals to develop enrichment, fractionation and labeling technologies are also of interest. Deadline for full Grant Proposals is September 1. A preproposal is required prior to submitting a Grant Proposal. The focus for fourth quarter grants is amplification, labeling, and quantitation (deadline December 1). **For more information, visit www.invitrogen.com, e-mail grants@invitrogen.com, or call 800 955 6288, ext. 66140 (760 476 6140).**

1600 Faraday Ave. Carlsbad, CA 92008 P: 760 476 6140 F: 760 602 6563 www.invitrogen.com



LSRO

The Life Sciences Research Office announces an ongoing project to evaluate the relative risk of non-tobacco ingredients added to cigarettes and solicits input from the scientific community to help guide the process.

Open Meeting on the Relative Risk of Non-Tobacco Ingredients Added to Cigarettes

**August 26, 2002
Hyatt Regency Hotel
Bethesda, MD**

This study is evaluating the relative health risks of ingredients (other than tobacco) in cigarettes. The study is based on the known health risks of smoking cigarettes and on the assumption that, short of avoidance or cessation, there is no effective way of eliminating those risks. In conjunction with an Expert Panel, the LSRO is reviewing the scientific evidence to address the following issues:

- Whether it is feasible to pursue the development of review criteria.
- Whether a meaningful estimate of relative health risk can be ascertained for ingredients (other than tobacco) used in the production of cigarettes.
- What are the appropriate criteria for such a review?

Submission instructions: You may submit comments addressing the issues listed above either by oral presentation at the open meeting and/or by sending written comments to the LSRO. Detailed instructions for submission of comments may be obtained from our web site or by contacting LSRO (see below). Comments received after September 15, 2002, not addressing the specific subject, or not complying with the instructions will not receive consideration by the Expert Panel.

Registration information: For more information about submission of comments and to obtain registration information for the meeting visit our web site: www.lsro.org or contact us at 301-530-7030 or via Email at AIRC@lsro.org. Space is limited, registering before August 5, 2002 is highly recommended.

www.lsro.org

RAPID ACCESS TO PREVENTIVE INTERVENTION DEVELOPMENT - "RAPID" PROGRAM National Cancer Institute

The National Cancer Institute announces the ongoing initiative: Rapid Access to Preventive Intervention Development (RAPID). RAPID will make available to academic investigators the preclinical and early clinical drug development contract resources of NCI's Division of Cancer Prevention. The goal of RAPID is the rapid movement of novel molecules and concepts from the laboratory to the clinic for clinical trials of efficacy. RAPID will assist investigators who submit successful requests by providing any (or all) of the pre-clinical and phase 1 clinical developmental requirements for phase 2 clinical efficacy trials. These include, for example, preclinical pharmacology, toxicology, and efficacy studies; bulk supply, GMP manufacturing, and formulation; and regulatory and IND support and phase 1 clinical studies. Suitable types of agents for RAPID may range from single chemical or biological entities to defined complex mixtures with the potential to prevent, reverse, or delay carcinogenesis. For more detailed information, visit the web site, <http://www3.cancer.gov/prevention/cadrg/>

Requests for RAPID resources are to be submitted as described in the web site. Written requests will be evaluated by a specially constituted RAPID panel, consisting of selected NCI staff and outside experts from academia and industry. Requests must be received on or before October 1, 2002. Applications should be submitted directly to the office listed below. Inquiries are encouraged, and the opportunity to clarify issues or questions is welcome. Please contact:

RAPID Program Official
Executive Plaza North, Room 2117
6130 Executive Blvd.
Bethesda, MD 20892

Rockville, MD 20852 (for express/courier service)
Telephone (301) 435-5011 Email: ikllj@nih.gov

or

Telephone (301) 594-0459; Email: jc94h@nih.gov; fax (301) 402-0553

POSITIONS OPEN

NIH 2002 = [OPPORTUNITY]TM

Train at the bench, the bedside, or both. The NIH offers **POSTDOCTORAL** and **CLINICAL FELLOWSHIPS** as well as tenure-track positions.

For details, visit our website:
www.training.nih.gov

NIH is dedicated to building a diverse community in its training and employment programs.

Two **POSTDOCTORAL POSITIONS** are available to study the structure-function relationship of drug targets like MurA and EPSP synthase (discovery of novel antibiotics), the Tau protein/Tau kinases/Tubulin system (discovery of potential anti-Alzheimer's drugs), and the CDK2/cyclin A1 system (discovery of potential male contraceptives). For more information on our team and some of our projects please visit our website: <http://www.pharm.ku.edu/medchem/Faculty/schoenbrunn.htm>.

Candidates with experience in molecular biology, and/or protein chemistry, and/or protein crystallography are encouraged to apply.

Please submit complete curriculum vitae and names and contact information of references to: **Dr. Ernst Schönbrunn, The University of Kansas, Department of Medicinal Chemistry. E-mail: es_positions@pharm.ku.edu; Telephone: 785-864-4503; FAX: 785-864-5326.**

POSTDOCTORAL POSITIONS are available to study the role of FOXO forkhead transcription factors in insulin and growth factor action. Projects include: (1) application of adenoviral, cell culture and transgenic models to identify gene targets of FOXO forkhead proteins, (2) analysis of signaling pathways and protein-protein interactions modulating the trafficking and function FOXO proteins. Send curriculum vitae and three letters of reference to: **Dr. Terry Unterman, Room 6229 Medical Research Unit (MP 151), University of Illinois at Chicago College of Medicine and VA Chicago, 820 South Damen Avenue, Chicago, Illinois 60612. FAX: 312-569-8114. E-mail: Unterman@uic.edu.**

A **POSTDOCTORAL RESEARCH POSITION** is available to investigate the signal transduction pathways mediating B cell development and the control of immunoglobulin gene rearrangement. Experimental approaches include the generation and analysis of transgenic and knockout mice. Ph.D. or M.D. degree with a strong background in molecular biology, cell biology, or immunology is required. Send cover letter, curriculum vitae, and names of three references to: **Dr. Albert Shaw, Section of Infectious Disease, Yale University School of Medicine, 333 Cedar Street LCI 803, New Haven, CT 06520. FAX: 203-785-3864; e-mail: albert.shaw@yale.edu. Yale University is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS are available for candidates with Ph.D. degrees interested in projects relating to molecular mechanisms of ovarian and endometrial neoplasia. Solid background in cancer biology and mammalian gene expression and experience in molecular biology, tissue culture, and mouse tumor models are essential. Please forward applications to: **Honami Naora, Ph.D., Department of Gynecologic Oncology, UT M.D. Anderson Cancer Center, 1515 Holcombe Boulevard-Box 440, Houston TX 77030. Email: hnaora@mdanderson.org.**

POSTDOCTORAL POSITIONS are currently available to study the molecular regulation of muscle wasting during sepsis. A Ph.D. or M.D./Ph.D. degree is required with experience in cell culture, molecular and cell biology. Candidates should have excellent written and verbal skills. Send résumé to: **Dr. Per-Olof Hasselgren, Department of Surgery, ST8M10, 330 Brookline Avenue, Boston, MA 02215. E-mail: phasselg@caregroup.harvard.edu.**

POSITIONS OPEN

POSTDOCTORAL PROTEIN FOLDING

Tulane, New Orleans, Louisiana

NIH-funded Postdoctoral position available to study the roles of cofactors in protein folding using equilibrium and kinetic spectroscopic as well as molecular-biology methods. Current research includes blue-copper proteins, flavodoxins, ferredoxins, and oligomeric chaperonins (website: <http://www.tulane.edu/~pernilla>). Applicants should have graduate experience in protein biophysics and/or biochemistry. If interested in working in a dynamic environment, send your résumé, three recommendation letters, and a research statement to: **Dr. Pernilla Wittung-Stafshede, Chemistry Department, Tulane University, New Orleans, LA 70118.**

POSTDOCTORAL POSITIONS

Cellular/Molecular Biology

The University of Texas Health Science Center at San Antonio

Department of Molecular Medicine

Three Postdoctoral Positions are available immediately to join an established research group investigating molecular mechanisms of androgen action and transcriptional control of aging. Stimulating research environment and competitive salary. Perspective candidates should forward their curriculum vitae and the names of three professional references to:

Dr. Arun K. Roy, Ph.D.

Professor, Department of Molecular Medicine

15355 Lambda Drive

San Antonio, Texas 78245-3207

Telephone: 210-567-7325

FAX: 210-567-7324

E-mail: roy@uthscsa.edu

The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.

TULANE UNIVERSITY HEALTH SCIENCES CENTER

Tulane National Primate Research Center

A **POSTDOCTORAL ASSOCIATE POSITION** is available to join a multidisciplinary group working on Lyme disease. The candidate will investigate models of gene expression in *B. burgdorferi*. Background in molecular biology is desirable. Please send curriculum vitae and names of three references to: **Dr. Ramesh Ramamoorthy, Ph.D., Associate Scientist, Department of Parasitology, Tulane National Primate Research Center, 18703 Three Rivers Road, Covington, LA 70433. E-mail: moorthy@tpc.tulane.edu. Tulane University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION for recent PhD available immediately to study the biology of *Haemophilus influenzae* pathogenicity. Available projects utilize classical genetics, biochemistry, and functional genomics to study signal transduction and physiological responses by the pathogen in experimental models of infection. Applicants must have a strong background in molecular biology and/or biochemistry including publications that represent their abilities. Website: <http://www.med.umich.edu/microbio/faculty/akerley.html>. Forward curriculum vitae and three letters to: **Brian J. Akerley, Ph.D., Department of Microbiology and Immunology, University of Michigan Medical School, 5641 Medical Science Building II, 1150 West Medical Center Drive, Ann Arbor, MI 48109-0620. E-mail: bakerley@umich.edu.**

POSTDOCTORAL POSITION is currently available to study epithelial restitution and wound repair after injury in the stomach. A Ph.D. or M.D./Ph.D. degree is required with experience in cell culture, molecular and cell biology, and imaging. The candidate should have excellent written and verbal skills. Send résumé to: **Dr. Susan Hagen, Department of Surgery, Dana 805, 330 Brookline Avenue, Boston, MA 02215. E-mail: shagen@caregroup.harvard.edu.**

POSITIONS OPEN



BIOARRAY SOLUTIONS

POSTDOCTORAL/STAFF SCIENTIST. You will conduct independent research on the development of genotyping assays based on the proprietary bead array chips. Previous experience in molecular diagnostic assay development, primer/probe designs for multiplexed reactions, analysis of clinical samples and utilizing new assay technology/instrument is preferred. Expertise in HLA molecular typing is highly desirable. Ph.D. in molecular biology, genetics, or related discipline required. BioArray Solutions is a NJ biotechnology start-up company. We offer competitive salaries and benefits. Please send resume to e-mail: jobs@bioarrays.com.

POSTDOCTORAL POSITIONS

Regulation of Microtubule-Based Transport
University of Notre Dame

Two Postdoctoral Positions are available immediately in NIH-funded projects focused on signaling pathways that regulate microtubule-based transport. Candidates will receive training in advanced live-cell imaging, electrospray mass spectrometry, molecular analysis of protein phosphorylation, and microtubule motor-mediated organelle transport. One project will emphasize abnormal regulation in human prostate and colon cancer model systems. The vibrant University community complements an exciting research environment, providing unique career opportunities for candidates. Candidates who have recently completed Ph.D. or M.D. training should send curriculum vitae, a statement of research goals, and the names of three references to: **Kevin T. Vaughan, Ph.D., Department of Biological Sciences, University of Notre Dame, Notre Dame, IN, 46556. FAX: 574-631-7413. E-mail: vaughan.4@nd.edu. Website: <http://www.nd.edu/bio/kvaughan>.**

POSTDOCTORAL FELLOW

Computational Biology/Pharmacogenomics
University of California, San Francisco

Study and create new *in silico* strategies for integrating large-scale data and biological network information within hierarchical system models. Goal: new knowledge and causal insights into how such complex systems may respond under interventions (e.g., a drug). Send curriculum vitae, statement of purpose, and contact information for three references to: **Dr. C. Anthony Hunt, Bioengineering Graduate Group, University of California, 513 Parnassus Avenue, S-926, San Francisco, CA 94143-0446. E-mail: hunt@itsa.ucsf.edu; website: <http://biosystems.ucsf.edu/Postdoc02>. UCSF is an Equal Opportunity/Affirmative Action Employer.**

INSTRUCTOR/POSTDOCTORAL

An Instructor/Postdoctoral position is available for developing a clinical trial using an antisense/dendritic cell therapy for brain tumors (*J. Clin. Oncol.* 19:2189). Previous experience in cellular immunology is essential and experience with tumor vaccines is preferable. Based on qualifications, the applicant may qualify for a faculty position. Please send or e-mail curriculum vitae to: **Albert Wong, M.D., Kimmel Cancer Institute, Thomas Jefferson University, BLSB 1002, 233 South 10th Street Philadelphia, PA 19107 U.S.A. E-mail: albert.wong@mail.tju.edu. Equal Opportunity Employer.**

POSTDOCTORAL POSITION Germ Line Stem Cells

Studies include culture, purification, gene activity, and gene modification of male germline stem cells (spermatogonia). See review in *Science* 21 June 2002. Send curriculum vitae, names of three references, and a letter describing research experience to: **R. L. Brinster, School of Veterinary Medicine, University of Pennsylvania, 3850 Baltimore Avenue, Philadelphia, PA 19104.**

POSITIONS OPEN

RESEARCH FELLOW/POSTDOCTORAL FELLOW

Laboratory of Molecular Biology
NIDDK, National Institutes of Health

A position of Research Fellow or Postdoctoral Fellow is available to study the mechanism of recombination reactions and other multicomponent, biomacromolecular complex assembly processes by using physicochemical and optical techniques. Candidates must have Ph.D. or equivalent research training. A strong background in optical instrumentation, biophysical techniques, DNA enzymology, or molecular biochemistry is desirable. The successful candidate will be involved in the development and use of the instruments and methods to study macromolecular interactions at the single molecule level using fluorescence-labeled proteins and nucleic acids. Send curriculum vitae, publication list, and three letters of recommendation to the address below.

Dr. Kiyoshi Mizuuchi

Section on Genetic Mechanisms
Laboratory of Molecular Biology, NIDDK
National Institutes of Health
Building 5, Room 237
5 Center Drive, MSC 0540
Bethesda, MD 20892-0540
E-mail: kmizu@helix.nih.gov

POSTDOCTORAL RESEARCH ASSOCIATE Muscle Development and Disease

Postdoctoral individual to study the functions of the $\alpha 7 \beta 1$ integrin in skeletal muscle development and in muscular dystrophy. Projects will focus on integrin amelioration of muscle disease (*JCB* 152:1207, 2001) and formation of neuromuscular junctions (*JCS* 113:2877, 2000). Recent Ph.D. candidates with experience in molecular and cell biology and signaling are preferred. To start August 2002 or reasonably thereafter. Send curriculum vitae, summary of research experience, and names of three references to: Stephen J. Kaufman, Ph.D., University of Illinois, Department of Cell and Structural Biology, B107 CLSL, 601 South Goodwin, Urbana, IL 61801. FAX: 217-244-1648; e-mail: stephenk@uiuc.edu.

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

POSTDOCTORAL POSITION

Cornell University
Ithaca, New York, U.S.A.
Retinoids and Cancer/Transgenic Mouse
Models of Cancer

A Postdoctoral position is available to investigate the role of retinoids and their associated proteins in cancer. Ongoing studies use cultured cells and transgenic mouse models of cancer. Candidates should have a Ph.D. degree with a strong foundation in molecular/cell biology. Previous experience in animal studies is preferable. Send curriculum vitae and names/contact information of three references to: Noa Noy, 225 Savage Hall, Cornell University, Ithaca, NY 14853. E-mail: nn14@cornell.edu. Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

An NIH-funded POSTDOCTORAL POSITION is available immediately for a highly motivated individual to study molecular and cellular mechanisms of drug transport through a group of drug transporters. Applicants should have a Ph.D. in biological science, and experience in standard molecular and cell biology techniques. Interested individuals should submit a letter of application, curriculum vitae and the names of three references to:

Guofeng You, Ph.D.
Department of Pharmaceutical Science
Rutgers University
160 Frelinghuysen Road
Piscataway, NJ 08854
E-mail: gyou@cop.rutgers.edu
Tel: 732-445-4246

POSITIONS OPEN



MEDICAL COLLEGE OF GEORGIA

Postdoctoral Fellowship Position available immediately to study astrocyte-neuron interactions in the cerebral cortex and hypothalamus for the regulation of neurosecretion, neuroprotection and neuronal plasticity. A strong background in neurobiology and molecular biology is highly desirable. Individuals having a strong background in signal transduction will also be considered. Qualified candidates must have a Ph.D. and/or M.D. degree with demonstrated publication record and should send curriculum vitae and list of references to: Dr. Darrell W. Brann. E-mail: dbrann@mail.mcg.edu. Equal Employment Opportunity/Affirmative Action/Equal Access Employer. P.O. Number E-021400.

POSTDOCTORAL positions are available in the Department of Anatomy and Cell Biology at Columbia University, to be supported by an NIH Training Grant for research in simple vertebrate and invertebrate systems. In addition, funding is available to study the role of regulated proteolysis and pathogenesis of *Legionella*, using *Dictyostelium amoebae* as a model. Separate funding is also available in areas that include organelle motility, establishment of cell polarity, molecular mechanisms of hormone secretion, and cytoskeletal dynamics, as well as the molecular mechanisms underlying development of the nervous system. For details see the departmental website: <http://cpmcnet.columbia.edu/dept/gsas/anatomy/>. All candidates must have a Ph.D. or an M.D. degree. Interested candidates should send a cover letter with area of interest, curriculum vitae, and three references to: Columbia University, Anatomy and Cell Biology, Attention: Postdoctoral Positions, 630 West 168th Street, New York, NY 10032. We take affirmative action toward equal employment opportunity. Members of underrepresented minorities are encouraged to apply.

MICHAEL J. FOX FELLOWSHIP For the Study of Parkinson's Disease

A SPECIAL FELLOWSHIP supported by the Michael J. Fox Foundation is available immediately for individuals with a Ph.D., M.D., or M.D./Ph.D. degree to work with a multidisciplinary team on the study of gene therapy, stem cells, antiapoptotic approaches, and trophic factors in rodent and nonhuman primate models of Parkinson's disease. Candidates should have expertise in neuroanatomy, molecular biology, or behavior. Preference will be given to individuals with previous experience in molecular and cellular approaches in Parkinson's disease research. This position is for two years and salary is commensurate with experience. Send curriculum vitae and names of references to: Dr. Jeffrey H. Kordower, Department of Neurological Sciences and Research Center for Brain Repair, Rush Presbyterian Medical Center, 2242 West Harrison Street, Chicago, IL 60612. E-mail: jkordowe@rush.edu.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS

Two or three Postdoctoral and/or Research Associate positions are available immediately for individuals with a Ph.D., M.D., or M.D./Ph.D. degree to work with a multidisciplinary team on the study of gene therapy, stem cells, antiapoptotic approaches, and trophic factors (nonhuman primate primarily) and rodent models of Parkinson's and Huntington's disease. Preference will be given to candidates with expertise in molecular biology and behavior. These positions are for two to three years and salary is commensurate with experience. Send curriculum vitae and names of three references to: Dr. Jeffrey H. Kordower, Department of Neurological Sciences and Research Center for Brain Repair, Rush Presbyterian Medical Center, 2242 West Harrison Street, Chicago, IL 60612. E-mail: jkordowe@rush.edu.

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately to study the roles of chemokines and their receptors on prostate tumor growth. Applicants must have a Ph.D. and/or M.D. and significant experience in molecular biology and *in vitro* tissue culture systems. Additional experience with mouse models of disease is preferred. Please e-mail or send a cover letter including a statement of research and career goals, complete curriculum vitae, and contact information for three references to: Dr. Alex B. Lentsch, Department of Surgery, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Cincinnati, OH 45267-0558; e-mail: alex.lentsch@ucmail. The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. Women and minorities are particularly encouraged to apply.

POSTDOCTORAL FELLOW for meta-analysis/ecosystem modeling search has been extended. Responsible for cross-site comparisons and integration of Great Basin restoration studies. Contact: Dr. Robert Nowak, Dept. Environmental & Resource Sciences, MS 370, University of Nevada-Reno, Reno, NV 89557; Telephone: 775-784-1656. E-mail: nowak@cabnr.unr.edu. For complete announcement and requirements see website: <http://jobs.unr.edu> or http://www.ag.unr.edu/coa/Employment/03_02_ERS_02.htm. Consideration of applications begins September 13, 2002. Equal Employment Opportunity/Affirmative Action.

POSTDOCTORAL POSITION The University of Pennsylvania

A Postdoctoral Position is available to study the processive replication reaction of Kaposi's Sarcoma Herpes Virus. Expertise in DNA replication, protein purification and protein:protein interactions, and virology is desirable. In addition to basic mechanisms, the study also includes with drug discovery. Send curriculum vitae and names of references to e-mail: ricciardi@biochem.dental.upenn.edu.

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The High-Field Biomacromolecular Solution NMR Core Facility in Academia Sinica, Taipei, Taiwan, (website: <http://www.nmr.sinica.edu.tw>) has an opening for Staff Scientist. The position requires a Ph.D. with knowledge of NMR methodologies and computational skills. Salary will be commensurate with experience. Interested applicants should submit curriculum vitae and three letters of recommendation to: Dr. Tai-huang Huang, Institute of Biomedical Sciences, Academia Sinica, Number 128, Sec. 2, Academy Road, Nankang, Taipei 11529, Taiwan. E-mail: bmthh@ibms.sinica.edu.tw 'HU.

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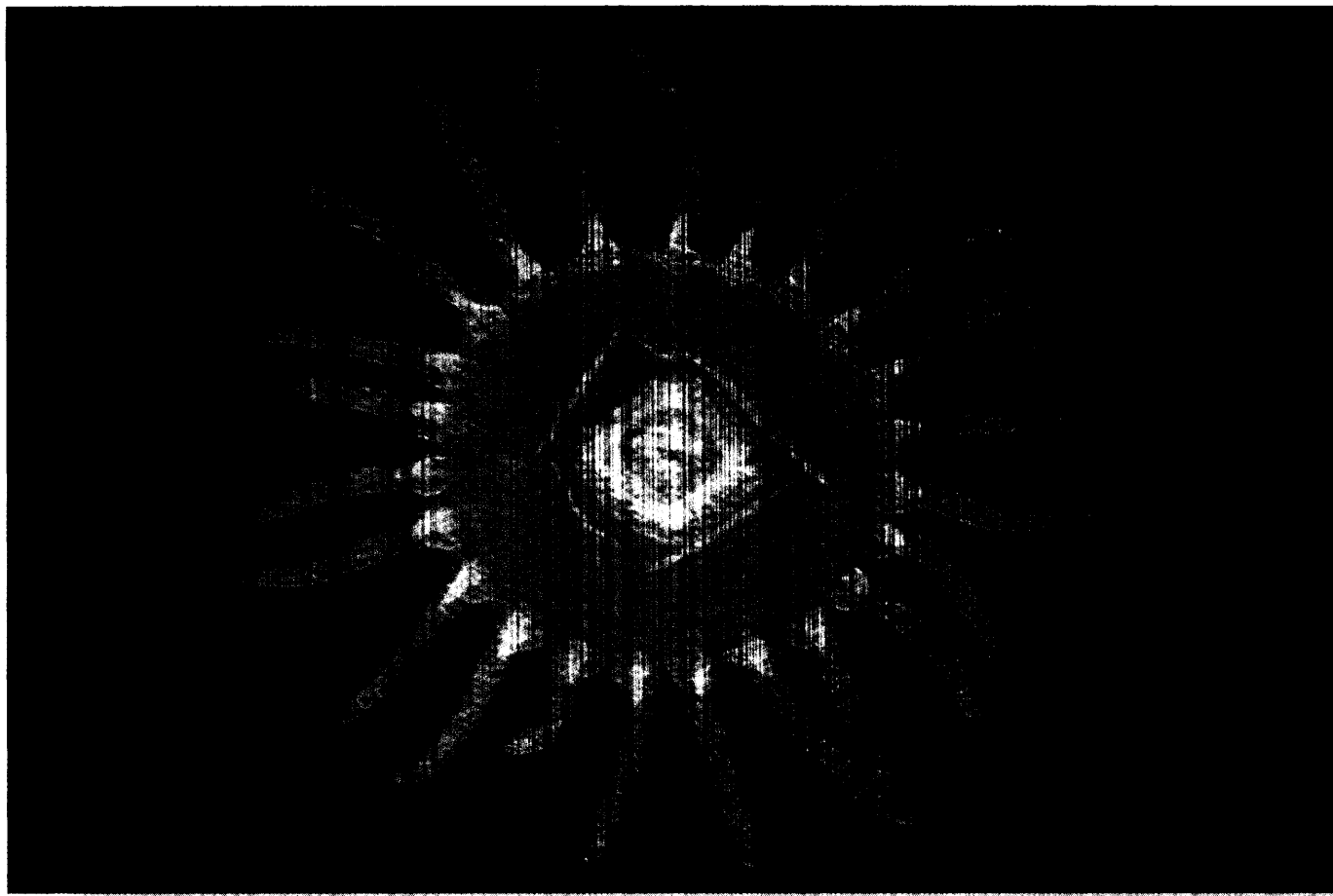
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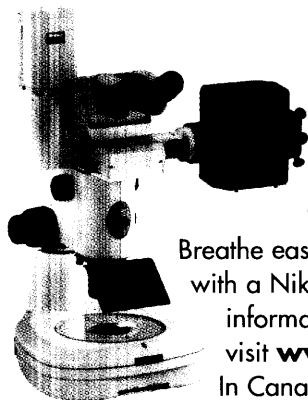
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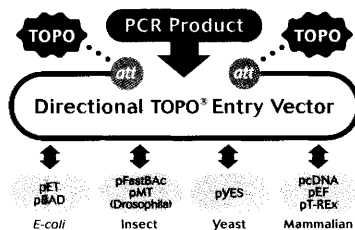


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