

Classified Advertising

For full details on advertising rates, deadlines, mechanical requirements, and editorial calendar go to www.sciencecareers.org and click on How to Advertise

UNITED STATES

Display Classified Advertising

Bren Peters (Mid-Atlantic, Midwest)
Tel: 202-326-6541
Kathleen Clark (Southeast, Canada)
Tel: 202-326-6555
Jill Steinberg (Northeast)
Tel: 212-496-1264
Kristine von Zedlitz (West Coast)
Tel: 415-956-2531
Fax: 202-289-6742
E-mail: science_displayads@aaas.org

Line Classified Advertising

Jody Fenty
Tel: 202-326-6722
Christina Geiger
Tel: 202-326-6532
Fax: 202-289-1451
E-mail: science_classifieds@aaas.org

Online Classified Advertising

Beth Dwyer
Tel: 202-326-6534
Fax: 202-289-6742
E-mail: bdwyer@aaas.org

www.sciencecareers.org

Ad Materials: Send to: *Science* Classified Advertising, 1200 New York Avenue, NW, Room 911, Washington, DC 20005

EUROPE

Display, Line, and Online Classified Advertising

Deborah Cummings
Tel: +44 (0) 1223 326 500
Fax: +44 (0) 1223 326 532
E-mail: european_ads@science-int.co.uk

Ad Materials: Send to: *Science* International, Advertising Dept., Bateman House, 82-88 Hills Road, Cambridge CB2 1LQ, United Kingdom

MEETINGS/ANNOUNCEMENTS

Kathleen Clark
Tel: 202-326-6555
Richard Walters
Tel: +44 (0) 1223 326 500

To Subscribe to *Science* call:
202-326-6417 or 1-800-731-4939

POSITIONS OPEN

ASSISTANT PROFESSOR COMPARATIVE GENOMICS Department of Biology University of Victoria Victoria, British Columbia, Canada

The Department of Biology invites applications for a full-time tenure-track position in animal comparative genomics and molecular biology or bioinformatics.

Applicants should have a strong background in one or more of the following areas: functional genomics, bioinformatics, evolution, growth and development, neurobiology, reproduction, or disease. Applicants with outstanding records in other areas related to comparative genomics will be considered. The Department of Biology has interests in areas in environmental genetics, cancer biology, neurobiology, ecology, and evolution. The appointee will be expected to develop a rigorous, independent research program funded by external support. He/she also will be expected to participate in the research and teaching activities of the Department of Biology. Starting date will be 1 July 2002.

Qualifications include the completion of a Ph.D. and demonstrated strong research and teaching potential. Candidates with postdoctoral experience will be preferred. Letters of application clearly outlining the candidate's expertise, teaching experience, and research interests along with curriculum vitae and names and contact information of at least three references should be sent by October 1, 2001, to:

Dr. B. F. Koop, Chair
Department of Biology
University of Victoria
P. O. Box 3020 STN CSC
Victoria, BC V8W 3N5 Canada
E-mail: biochair@uvic.ca
Website: <http://web.uvic.ca/biology>

The University of Victoria is an Equity Employer and encourages applications from women, persons with disabilities, visible minorities, and aboriginal peoples. In accordance with Canadian immigration requirements, this advertisement is directed in the first instance to Canadian citizens and permanent residents. Others are encouraged to apply but are not eligible for appointment until a Canadian search is completed and no appointment made.

THREE-YEAR LECTURER CELL AND MOLECULAR BIOLOGY Department of Molecular, Cellular, and Developmental Biology University of Michigan

The Department of Molecular, Cellular, and Developmental Biology at the University of Michigan announces the availability of a **NONTENURE-TRACK LECTURER** position. The term of appointment is for a period of three years and is subject to renewal based on satisfactory performance. The lecturer will serve as Instructor and coordinator of undergraduate laboratories in cell and molecular biology. The successful candidate must have a Ph.D. and experience in teaching undergraduate courses in areas related to cell and molecular biology. In addition to general instructional matters, duties will include the development and revision of laboratory exercises and the training and supervision of graduate student Instructors who serve in the laboratories. Appointments are on a nine-month basis and include a liberal benefits package. The position is available beginning January 1, 2002, pending authorization, and the deadline for receipt of applications is September 15, 2001.

Applicants should provide curriculum vitae and three letters of recommendation to:

Chair, CMB Lecturer Search Committee
Department of Molecular, Cellular,
and Developmental Biology
The University of Michigan
830 North University Avenue
Ann Arbor, MI 48109-1048

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

POSITIONS OPEN

ASSISTANT PROFESSOR PLANT PATHOLOGY Purdue University

The Department of Botany and Plant Pathology at Purdue University is seeking outstanding applicants with strong records of research accomplishment for two tenure-track Assistant Professor positions in the area of functional genomics. These academic-year (10-month) appointments will expand and strengthen basic plant pathology in the Department and support Purdue's overall initiative in plant genomics. The successful applicants will be expected to develop strong, externally funded research programs that address relevant questions regarding plant-pathogen interactions such as molecular and genetic mechanisms of disease resistance in crops or model systems or mechanisms of pathogenicity and virulence in plant pathogens. Teaching responsibilities will include undergraduate and graduate courses in plant pathology as well as mentoring graduate students. A Ph.D. in plant pathology or related discipline is required and postdoctoral experience is desirable. Applicants should submit their curriculum vitae, a short statement of research interests, a statement of teaching interests and philosophy, and the names and contact information of four references to: **Dr. Ray Martyn, Head, Department of Botany and Plant Pathology, 1155 Lilly Hall, Purdue University, West Lafayette, IN 47907-1155.** Applications should be received by October 31, 2001, to ensure full consideration. Departmental website: <http://www.btny.purdue.edu>. An Equal Opportunity Employer.

ORAL BIOLOGY, Indiana University. The Department of Oral Biology at Indiana University School of Dentistry invites applications for a full-time, **tenure-track position** for an Anatomist. Applicants should have a Ph.D. or equivalent degree in a topic area related to anatomy with teaching experience in this discipline desired. Main responsibilities include the administration of the biomedical sciences resource laboratory and the teaching of anatomy/histology to D.D.S. program students. This position will require extensive collaboration with multidisciplinary teaching teams in an ongoing, systems-based biomedical sciences curriculum. Demonstrated ability in independent and collaborative research is also highly desirable. Academic rank and salary are commensurate with experience and qualifications. The search will remain open until a qualified candidate is identified. Please send curriculum vitae and names and addresses of three references to: **Dr. Arden Christen, Department of Oral Biology, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, IN 46202.** *Indiana University is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR

The Department of Adult Oncology of the Dana-Farber Cancer Institute; the Department of Medicine, Brigham and Women's Hospital; and the Department of Medicine, Harvard Medical School, are inviting applications for a tenure-track position at the level of **ASSISTANT PROFESSOR**. Candidates who will be considered should have demonstrated a focus on basic tumor immunity and translation of laboratory-based findings to clinical trials. Candidates will be expected not only to conduct laboratory research and immunologic endpoint analysis but also must be committed to understanding human clinical trials. Applicants should have an M.D./Ph.D. or M.D. degree and will be expected to develop an independent laboratory research program. Laboratory space and appropriate start-up funds are available and will be commensurate with the experience and needs of the candidate.

Applicants should submit their curriculum vitae, a description of research plans, and two letters of recommendation to: **James D. Griffin, M.D., Chairman, Search Committee, Department of Adult Oncology, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115.** *The Dana-Farber Cancer Institute is an Equal Opportunity/Affirmative Action Employer.*



THE R.W. JOHNSON
PHARMACEUTICAL RESEARCH INSTITUTE

The R.W. Johnson Pharmaceutical Research Institute (RWJPRI) conducts research and development in a variety of therapeutic areas for the Johnson & Johnson family of companies. Our La Jolla, CA site focuses on the application of state-of-the-art techniques in cellular and molecular biology, bioinformatics, computer science and synthetic organic chemistry to discover novel approaches to unmet medical conditions. The key to our approach is utilizing the latest hardware and software information technology on genomic sequence data to sequence the expressed Human Genome.

PLEASE SUBMIT YOUR RESUME ON OUR WEBSITE AND
REFERENCE THE JOB CODE.

IMMUNOLOGY

Senior Associate Scientist/Scientist

(Job Code #11971)

The Immunology team has opportunities available for talented and highly-motivated scientists, to be responsible for carrying out a wide variety of assays in support of drug discovery efforts in the area of inflammation and immunology. A PhD in Molecular Biology, Biochemistry or other related fields, or an MS with 5+ years experience in academic or industrial setting is required. Applicant should have a strong background in cell biology or cellular immunology and experience with molecular biology or protein biochemistry a plus. Successful candidates should have the ability to quickly master new techniques and to work as part of an interactive team.

Postdoctoral Fellowship

(Job Code #00129)

A postdoctoral position is available in the laboratory of Dr. Wai-Ping Fung-Leung to study signalling pathways in activated T cells and macrophages. Requirements include a PhD in a related discipline and research experience in signal transduction and immunology. Postdoctoral fellowships are available for two years with a possible extension for a third.

Scientist

(Job Code #11970)

This position requires a recent PhD with research experience in signal transduction in the field of immunology or inflammation or an MS with 5+ years relative work experience. Successful candidate should have a strong background in molecular biology and DNA cloning techniques and have the ability to quickly master new techniques while working as part of an interactive team.

Pharmacologist/Scientist or Senior Scientist

(Job Code #11976)

This position requires a PhD with more than 2 years of postdoctoral or industry experience or an MS with 6-10 years industry experience. Must possess a strong background in physiology, pharmacokinetics and pharmacodynamic studies in rodents and *in vivo* models of immune diseases and oncology. Candidate will be responsible for *in vivo* pharmacology and disease models in a drug discovery group. This individual must possess good communication skills and have the ability to work in a team environment.

Please submit resumes through our jobs link at:

www.rwjpri.com/lajolla/careers

Johnson & Johnson

RWJPRI is an EOE, M/F/D/V

PHYSIOLOGICAL SYSTEMS

Biochemist/Pharmacologist

(Job Code #11974)

A pharmacologist position is available in the newly established Physiological Systems group of Dr. Nigel Shankley. This group aims to identify and exploit drug targets in peripheral physiological systems for the discovery of new drugs. Qualified candidates should have a BS in biological sciences with 2+ years drug discovery experience in pharmaceutical research. This individual will be competent in the development and application of radioligand binding and second messenger assays for high throughput and lead optimization stages of the drug discovery process as it relates to receptor targets. A basic understanding of receptor theory, experimental design and statistical analysis desirable although advanced training in these areas will be provided. The candidate will have excellent communication skills and thorough general involvement in the wider activities of the research team and will be encouraged to develop new skills and broaden his/her experience in the pharmaceutical research process. This group enjoys excellent new research facilities and operates synergistically with an outstanding bioinformatics team with access to private gene databases as well as excellent services for DNA and peptide sequencing and synthesis.

Molecular - Cell Biologist

(Job Code #11968)

Qualified candidates should have a PhD in Cell and Molecular Biology or related field and have at least 2-3 years of post-doctoral experience. Experience and knowledge of the drug discovery process within the pharmaceutical industry and a knowledge of cell signalling pathways is preferred. The qualified candidate should be able to apply molecular biological techniques to the assessment of new targets and the subsequent generation of assay systems for the discovery of drugs. This individual should have excellent written and oral communication skills and the desire to work within an integrated team operating at all levels of the drug discovery process.

NEUROSCIENCE

Slice Electrophysiologist

(Job Code #12953)

The Neuroscience Group is seeking a highly motivated individual with expertise in slice electrophysiological techniques to create a program aimed at understanding the function of potential ion channel targets in pain pathways. The ideal candidate will have an in-depth knowledge of state-of-the-art voltage and patch clamp techniques, have broad skills in the area of ion channel research, and be capable of both independent and team work. Responsibilities include establishing the technology for whole cell and extracellular recording from spinal cord slices and dorsal root ganglion neurons, recording of evoked neuronal activity *in vitro* and *in vivo*, and other electrophysiological techniques are required. The candidate is expected to contribute to other activities such as testing lead compounds against ion channels of interest, and to champion projects through the drug discovery process. The candidate is expected to hold a good record of publication, possess good writing and communication skills, and publish. Working knowledge of molecular physiology/pharmacology, and fluorescence microscopy desired. The ideal candidate will have a PhD in Biophysics/Biology, Neuroscience or a related discipline.

BACTERIAL GENOMICS

Research Associate/Associate Scientist

(Job Code #12848)

A position is available for a talented individual with a Bachelor's degree or Master's degree and 0-5 years experience to conduct pharmacokinetic and efficacy evaluations of antimicrobial agents in small animal models. Proficiency in rodent handling, dosing by all routes, and sample collection techniques required. Additional skills in biochemistry, infectious diseases, or molecular microbiology is desirable.

Research Associate/Associate Scientist

(Job Code #14058)

We have a Virology position available for an individual to support our antiviral drug discovery research, particularly in the identification of lead compounds and their pharmacokinetic evaluation *in vivo*. Candidates must have a Bachelor's degree or Master's degree in Biology and 0-5 years experience. Essential skills include *in vivo* pharmacology experience dosing/PK, and molecular biology techniques. Additional experience in virology, assay development and drug discovery methodologies would be beneficial.

Senior Scientist/Principal Scientist

(Job Code #12597)

We are seeking a highly motivated, innovative professional with a PhD plus 2-8 years experience to evaluate the pharmacokinetics and metabolism of novel antimicrobial agents in support of preclinical drug development. A background in antimicrobial drug discovery or *in vivo* infectious disease models is a plus.

Scientist/Sr Scientist

(Job Code #12843)

As part of our virology team, you will be involved in the discovery of novel antivirals against RNA viruses. This requires the establishment of cell culture and animal models of viral infection, as well as biochemical/cellular assay development. The successful individual will evaluate preclinical drug candidates in these models for antiviral efficacy and help establish their pharmacokinetic profile. Requirements include a PhD in Virology or Cell Biology, and 3-8 years experience with *in vivo* animal models of viral infection. Knowledge of pharmacology/toxicology and/or enzymology would be preferred.



UNIVERSITY OF
CALGARY

Academic Leader Ultrastructural Microscopy

Creating the future of health.

The Department of Cell Biology & Anatomy, University of Calgary Faculty of Medicine, invites applications for a full-time faculty position and academic leader of the Microscopy and Imaging Facility. Applicants will have expertise in the area of high resolution microscopy and a track record of research excellence in a field of ultrastructural cellular and/or molecular biology. This position offers a superb opportunity to advance an independent research program within a faculty of medicine that has an outstanding record of success in multidisciplinary health research – visit our Web site: <http://www.med.ucalgary.ca/research>. The Microscopy and Imaging Facility, which has a new Tecnai F20 200 kV field emission, cryo, energy filtering transmission electron microscope, and an "environmental" and analytical scanning electron microscope, is one of many well-equipped core facilities available to the faculty. Preference will be given to applicants whose research could capitalize on these instruments or who would bring other relevant technologies such as atomic force microscopy.

The Department of Cell Biology & Anatomy is part of the rapidly growing Faculty of Medicine that is in the process of building a major new research facility – the Health Research Innovation Centre. Calgary is a vibrant, multicultural city (population ~850,000) near the Rocky Mountains, Banff National Park and Lake Louise.

Qualifications include a PhD and/or MD, and a proven record of excellence in research and grant support. We welcome applications for all levels of appointment. Please submit a curriculum vita, a statement of research interests, and arrange to have three letters of reference sent directly, by **August 31, 2001**, to: **Dr. John D. Reynolds**, Head, Department of Cell Biology & Anatomy, University of Calgary, 3330 Hospital Dr. N.W., Calgary, Alberta, Canada T2N 4N1

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary respects, appreciates and encourages diversity.

www.ucalgary.ca

**JOHANNES
GUTENBERG-
UNIVERSITÄT
MAINZ**



Position available for a

Research Associate

limited till 31.01.2003.

Ideally already possessing combined expertise in **Cell Biology and Molecular Biology**, preferably including experience with protein/protein interaction.

Salary according to BAT IIa DM 80.000 to 100.000 before taxes per year.

Application with curriculum, publication list and photograph to

**Prof. Dr. F. Oesch, Director
of the Institute of Toxicology,
University of Mainz,
Obere Zahlbacher Str. 67,
D-55131 Mainz, Germany.**

Max-Planck-Institut für Entwicklungsbiologie



MAX-PLANCK-GESELLSCHAFT

The newly founded Department of Protein Evolution at the Max-Planck-Institute for Developmental Biology in Tuebingen is seeking a

Database and Systems Engineer.

The successful candidate will oversee the computing systems within the department and develop the department's biological databases. Candidates should have at least 3 years of working experience with relational databases and with UNIX-based operating systems. Biological knowledge is not required but will be preferred. Knowledge of the English language is essential.

Candidates with a scientific profile will be encouraged to establish an independent research program in the development and implementation of biological databases. The position is tenure-track or tenured, depending on the candidate's qualifications and seniority, and is remunerated according to the BAT scale.

The goal of the Department of Protein Evolution is to reconstruct early events in the development of proteins, both theoretically and experimentally, and to develop a system for protein taxonomy.

Please address your curriculum vitae and supporting materials, including the names of three references to

Andrei Lupas
c/o Karin Lehmann
Max-Planck-Institute for Developmental Biology
Spemannstr. 35, D-72076 Tuebingen
or by e-mail to andrei.lupas@tuebingen.mpg.de.

The Max-Planck Society is an equal opportunity employer.

USRA

**DIRECTOR
DIVISION OF SPACE LIFE SCIENCES**

Universities Space Research Association (USRA), a nonprofit corporation with eighty-eight academic and scientific institution members, is seeking a Director for its Division of Space Life Sciences. The USRA Division of Space Life Sciences (DSLS) is located in Houston, Texas adjacent to Lyndon B. Johnson Space Center of NASA. The DSLS manages all of USRA's activities in the space life sciences. The division's research and educational programs encompass multiple discipline areas, including biomedical ethics, biotechnology, bone and muscle physiology, environmental health, immunology, microbiology, nutritional biochemistry, space radiation health and technology development.

The DSLS Director provides management oversight of all aspects of the division's operations and serves as an advocate for its programs within USRA, NASA and the university community. The successful candidate will demonstrate the ability to expand the scope and direction of the division's research program by developing and carrying out a long-term strategic plan.

The applicant should have a broad research background with at least 10 years experience in managing research efforts. The individual should possess a M.D., Ph.D., or equivalent degree in a life science field with an emphasis in cell biology and/or molecular biology. Prior experience at a senior academic level (Professor or Associate Professor) is a plus. The successful candidate will demonstrate the ability to present him/her self and the division to the government and academic community. Must demonstrate the ability to understand the basics of life science research projects in multiple discipline areas.

Salary and benefits are competitive and commensurate with experience. Excellent comprehensive fringe benefit program is available. Interested individuals should submit a letter of intent, curriculum vitae and the names and contact information for three references, no later than September 30, 2001 to:

Chair, DSLS Search Committee

Universities Space Research Association, American City Building,
Suite 212, 10227 Wincopin Circle, Columbia, MD 21044-3498.

Further information regarding the USRA may be found at <http://www.usra.edu>

Universities Space Research Association is an equal opportunity employer.



Targeted Gene Therapy for Human Prostate Disease

The aims of this program are to provide the gene transfer vehicles and targeting mechanisms to make safe and effective gene therapy for both malignant and non-malignant diseases of the human prostate a viable clinical option.

As a consequence of our successful application for Framework 5 (The ageing population) a number of research posts have been created in the co-operating centres.

**YCR Cancer Research Unit, Dept of Biology,
University of York, UK
(Coordinator)**

One postdoctoral Research Fellow with experience in molecular Biology techniques. Prior experience in culture of human cells and/or construction of recombinant mammalian viruses would be advantageous.

One (part-time) Research Technician (grade C) with experience in either cell biology or basic molecular biology.

**Gene Therapy Group, Department of Urology,
Erasmus University and Academic Hospital,
Rotterdam, The Netherlands**

One Research Technician and one postdoctoral Research Fellow with relevant experience in cellular or molecular biology, with particular emphasis on human cell biology and virology.

**Clinical Immunology Division, Rudbeck Laboratory,
Uppsala University, Sweden**

Two postdoctoral Research Fellows with strong backgrounds in immunology and molecular/cellular biology. Some experience in mammalian virology and cancer vaccines will be an advantage.

Gene Therapy Laboratory, Marseille, France

One Research Technician with experience in either basic molecular biology and/or lentiviral vector design and production.

Urogene SA, Evry, France

Three Research Associate positions in Biostatistics (experience in Ststview, SAS and SPAD), **Protein Biochemistry** (experience in protein purification and proteomics preferred) and **Genetics** (experience in cytogenetics and FISH would be an asset).

All positions are available immediately for three years. It is anticipated that there will be considerable scope for exchange visits between the co-operating laboratories.

Full details of the salaries and requirements for each position and the co-operating laboratories with individual contacts in each centre can be found at: <http://www.york.ac.uk/depts/biol/units/cru/cruhome.htm> and include links to other web sites.

THE UNIVERSITY of York

Group Leaders in Cancer Research

The Paterson Institute for Cancer Research is a multi-disciplinary research institute closely associated with the Christie Hospital, the largest specialist cancer hospital in the UK. The Institute receives significant core funding from the Cancer Research Campaign which supports a range of basic and translational research programmes in cell and molecular biology, details of which can be found on <http://www.paterson.man.ac.uk> We are recruiting innovative scientists as leaders in cancer research and particularly in the areas of Cell Cycle/Checkpoint and Mouse Models for Cancer.

These positions are for six years initially, with consideration for promotion to a tenured Senior Group Leader position after four to five years. However, a direct appointment at a more senior level may be considered for exceptional applicants. Where appropriate, joint appointments with the Victoria University of Manchester or UMIST may be made. As well as good laboratory space and access to a wide range of excellent service facilities, you will be provided with a very generous package of core funding for personnel (including postdoctoral research fellows & students) and running expenses.

Informal enquiries can be made to Nic Jones (Njones@picr.man.ac.uk) and for Cell Cycle: Eiji Hara (Ehara@picr.man.ac.uk) or Iain Hagan (Iain.Hagan@man.ac.uk) for Mouse Models: Jenny Varley (Jvarley@picr.man.ac.uk) or Peter Stern (Pstern@picr.man.ac.uk)

To apply, please forward by mail or electronically your CV, a short summary of past and current interest, an outline of potential research plans and the names of three referees, quoting ref: PI/01/B11, to Professor Nic Jones, Director, Paterson Institute for Cancer Research, Christie Hospital NHS Trust, Wilmslow Road, Manchester M20 4BX.

Closing date: 17th September 2001.

The Christie Hospital is an equal opportunities employer and operates a no smoking policy for staff.



cancer
research
campaign





CONSUMER PRODUCTS WORLDWIDE

Division of Johnson & Johnson Consumer Companies, Inc.

The Skin Research Center of JOHNSON & JOHNSON, located at Skillman NJ, conducts basic research of skin and hair and is committed to the identification of new insights and targets for skin care. The Skin Research Center is involved in molecular and cellular studies, understanding cell-cell interactions, regulation of gene expression and proof of principle studies, contributing to target validation and to the discovery of new technologies for skin care. The Skin Research Center is seeking motivated individuals with the following qualifications:

Staff Scientist, skin biology

Ph.D. in biological sciences, at least five years of postdoctoral experience, with strong knowledge of skin biology. Familiarity with molecular and cellular mechanisms, signal transduction, and cell-cell communication. Understanding and experience in biochemistry, molecular and cellular biology, microscopy and imaging, in vivo and cell culture techniques. Ability to learn and perform in new areas and to handle multiple tasks. Ability to work independently within a team environment. Good communication and organization skills and computer literacy. The successful candidate will head a team involved in basic research and will interact with other technology groups.

Scientist/ Sr. Scientist, molecular and cellular biology

BS/MS, experience in biochemistry, molecular and cellular biology, microscopy and imaging techniques. Extensive mammalian tissue culture experience. Ability to learn and perform new techniques. Ability to handle multiple tasks. Ability to work independently within a team environment. Good communication and organization skills and computer literacy. Familiarity with skin biology is preferred. The successful candidate will work in a team involved in basic research and interacting with other technology groups.

Postdoctoral Scientist, Molecular and Cellular Biology

Ph.D. in biological sciences. Knowledge of molecular and cellular mechanisms, signal transduction, and cell-cell communication. Experience with molecular and cellular biology techniques, mammalian tissue culture and microscopy is required. Ability to work independently within a team environment. Computer literacy and good communication skills required. The successful candidate will work in a team involved in basic research and interacting with other technology groups.

Please forward your resume to Dr. M. Seiberg, J&J Skin Research Center, 199 Grandview Rd., Skillman, NJ 08558. An equal opportunity employer, m/f/d/v committed to diversity in the workplace.

ASSISTANT EXERCISE BIOLOGIST

THE DIVISION OF BIOLOGICAL SCIENCES, UNIVERSITY OF CALIFORNIA, DAVIS, invites applications and nominations for a faculty position in exercise biology. This is a tenure-track position at the level of ASSISTANT PROFESSOR. The position will be in the Exercise Biology Program with a joint appointment in the Section of Neurobiology, Physiology & Behavior. A Ph.D. (or equivalent) and postdoctoral experience is required. Candidates must have an outstanding record of research achievement and will be expected to develop a strong independent research program in exercise biology. Particular attention will be afforded candidates who have an integrative perspective and employ mechanistic approaches to address important issues in exercise biology, such as skeletal muscle physiology/development, muscle adaptation to exercise or aging. The successful candidate will be expected to teach undergraduate and graduate level courses in exercise biology/exercise science and participate fully in the teaching and advising programs coordinated by the Divisions of Biological Sciences and Graduate Studies.

Applications should include: (1) curriculum vitae (with e-mail address), (2) statement of current and proposed research interests, (3) three relevant reprints, (4) statement of teaching experience/interests, and (5) names, telephone numbers, and addresses (postal and e-mail) of at least three references. Candidates should also arrange to have their reference letters mailed directly to the Committee Chair. All materials should be sent to: **Charles A. Fuller, Chair, Exercise Biology Search Committee, Exercise Biology Program, University of California, One Shields Avenue, Davis, CA 95616-8674.** Closing date: open until filled, but all materials must be received by September 28, 2001 to be assured of full consideration.

The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences.

Job Opportunities in Rexahn Corporation

Rexahn Corp. specializes in drug discovery and development of small molecule and gene therapeutics for cancer and chronic debilitating diseases. Currently located in Rockville, Maryland, we are seeking candidates with excellent communication, writing and interpersonal skills for the following positions:

Research Scientists/Post-Doctoral Scientists

1. **Cloning/Vector Design:** We are seeking highly motivated, creative post doctoral scientists, or scientists with at least 5 years post doctoral experience to design and produce gene targeting vectors and constructs for expression in conventional animal models. This position requires an M.D. or Ph.D. in Molecular Biology or closely related discipline.
2. **Computational Chemistry:** We are seeking highly motivated, independent individuals to accurately predict protein binding sites and build chemistry molecules at that site. Programming experience designing, implementing and maintaining complex algorithms is highly desirable. A Ph.D. in computational chemistry, biochemistry, physics or the equivalent is required.

In addition to competitive salary and benefits, we offer stock grant and stock options. Please send your resume to biojob@rexahn.com or to:

**Rexahn Corporation
9700 Great Seneca Highway
Suite 231
Rockville, MD 20850**

AWARDS & PRIZES

GENOMICS

WEST

Submit Search

Call my agent

Science @
CAREERS

Meetings and Announcements
www.sciencemeetings.org

Aventis Pharmaceuticals



Our challenge is life...conquering disease, one person at a time.

What do
you
want to be
remembered
for?



There are many different things you can do within your life that will leave a lasting impression. One is enhancing the health and well-being of others. By choosing a career with **Aventis**, you are choosing to reach out to millions and make a difference. With dynamic pharmaceutical products and services, our reputation around the world is that of a leading health care pioneer. We continue to build upon this distinction by attracting individuals who share our passion for innovation and improving the quality of life.

Team Leader

**Molecular Biology and Genomics
Respiratory and RA Disease Group
Job Code: DIA2751**

The successful candidate will lead a laboratory focused on the identification and validation of genes that play a critical role in inflammatory processes. A central theme will be the use of murine disease models, especially those of rheumatoid arthritis, to identify and subsequently validate genes and their protein products responsible for the pathology. Working closely with laboratories in the Pharmacology groups, that develop and run these models, this laboratory will apply state of the art microarray, Taqman and in situ/immunohistochemistry analysis, supported by our Functional Genomics group, to identify candidate genes by their pattern of expression. Demonstration of similar orthologue expression in human, will trigger experiments to validate disease association using techniques such as adoptive transfer of bone marrow haematopoietic cells, expressing the gene of interest or a dominant negative form of the protein, to irradiated murine hosts in backgrounds relevant for disease model profiling. Understanding of human and murine immunology will be critical for the phenotyping of these models. Broad skill set in molecular biology and/or genomics including a significant number of the following techniques; mRNA purification, Northern hybridisation, Taqman, microarray expression analysis, cDNA cloning, tissue culture (primary cells), FACS, viral delivery of cDNAs and oligonucleotide antisense.

Requirements include: a minimum of 3-5 years post-doctoral experience in academia or industry with a proven track record; a well-developed understanding of immunology, especially if applied to in vivo murine models. Experience of cellular signalling preferred. Previous supervisory experience is essential.

Apply online at Careers at Aventis, the Aventis Recruitment Center:

www.aventis.com

(please include job code when applying)

We reward our associates with exceptional benefits including medical/dental, retirement plans, holiday/floating holidays, work/life benefits and the opportunity to learn and grow.

Aventis Pharmaceuticals is proud to be an equal opportunity employer committed to a diverse workforce.



The Neuroscience Center Zurich and the Department of Neurology of the University Hospital Zurich announce

2 Assistant Professor Positions in Multiple Sclerosis Research

Assistant Professorship for Clinical Multiple Sclerosis Research: We search for a younger neurologist with clinical experience in the field of Multiple Sclerosis and with an excellent scientific track record. She/He directs a research unit and a special clinical MS service at the Department of Neurology of the University Hospital Zurich.

Assistant Professorship for Basic Research in Multiple Sclerosis: We look for younger research group leader (MD or PhD) with original projects and proven experience in the field of myelin and axon repair, neuron-glia interactions or neuroinflammation.

The MS research groups are part of the Neuroscience Center Zurich and of the National Competence Center "Neural Plasticity and Repair". The assistant professors participate in teaching in the neurosciences at the Medical and Science Faculty of the University of Zurich and at the Department of Biology of the ETH Zurich.

The appointments will be for 3 years with the possibility of extension to a total of 6 years.

Written applications should be sent until September 15, 2001 to the president of the search committee, Prof. Martin E. Schwab, Chair of Neurosciences, Brain Research Institute, Univ. of Zurich and Department of Biology, ETH Zurich, Winterthurerstr. 190, CH-8057 Zurich, Switzerland.

Applicants should consult "Guidelines for submission of applications", available through the Office of the Dean of the Medical Faculty of the University of Zurich (Fax: ++41-1-255 4665) or via Internet: <http://www.med.unizh.ch/dekanat/richtform.html>.

ANNOUNCEMENTS



AMERICAN
HEALTH
ASSISTANCE
FOUNDATION

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 of up to \$100,000 per year for up to two years for research into the causes and treatment of Alzheimer's disease.

Application Deadline: October 16, 2001

National Heart Foundation: starter grants of up to \$25,000 for one year for 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) beginning an independent research career.

Application Deadline: November 1, 2001

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, 2001**

For application forms please visit our website at <http://www.ahaf.org> or call 301-948-3244

THE UNIVERSITY OF CHICAGO FACULTY POSITION IN MICROBIOLOGY

The Department of Molecular Genetics and Cell Biology invites applications for a faculty position in Microbiology. This search is aimed at identifying outstanding investigators in virology at the Assistant Professor level. Applicants are expected to develop a strong extramurally funded research program in virology and/or in the pathogenesis of animal viral diseases. It is further expected that faculty participate in the medical, graduate or undergraduate teaching programs of the Department of Molecular Genetics and Cell Biology. Additional information about this position can be obtained from Dr. Olaf Schneewind (oschnee@delphi.bsd.uchicago.edu). Candidates with a Ph.D. or M.D. degree and at least two years of post-doctoral training should send a curriculum vitae, statement of research interest and at least three letters of recommendation to:

Dr. Olaf Schneewind
Chair of the Search Committee
610A Cummings Life Science Center
920 East 58th Street
Chicago, IL 60637



THE UNIVERSITY OF CHICAGO

*The University of Chicago is an Affirmative
Action/Equal Opportunity Employer*



HÉMA-QUÉBEC

Héma-Québec's mission includes providing Quebecers with adequate quantities of superior quality and safe blood components, derivatives and substitutes to meet the needs of hospitals, and to provide recognized expertise and specialized services in immunohematology. We are currently seeking applications for the following opening:

Epidemiologist, blood donation and transfusion

An experienced researcher is sought by Héma-Québec, a not-for-profit transfusion agency that collects over 200,000 donations each year. You will report to the Medical Director, Microbiology and Epidemiology, and you will devise and conduct epidemiological studies to address research questions and operational issues related to blood donation and transfusion therapy. The areas of research will include donor motivation and behavior, blood borne infections and transfusion safety, surveillance of adverse reactions and blood products utilisation. The studies that you will undertake will need to focus on the strategic orientations that have been defined by the organisation. The successful applicant will possess a Doctoral degree in epidemiology and have at least three years of post-doctoral research experience, preferably in a field related to blood transfusion, infectious diseases or health behavior.

To apply, kindly forward your resume by August 31, 2001 to: **Human Resources Department, Héma-Québec, 4045 Côte-Vertu Road, St-Laurent, Quebec, Canada H4R 2W7. Fax: (514) 832-1026 www.hema-quebec.qc.ca**

HÉMA-QUÉBEC is an employment equity employer. Only candidates under consideration will be contacted.

**Creighton University
School of Medicine
Faculty Position In
HEREDITARY CANCER GENETICS**

As part of an ongoing expansion in basic science, Creighton University School of Medicine, Omaha, Nebraska, seeks applicants for a full-time, tenure-track faculty position in the area of MOLECULAR GENETICS/MOLECULAR BIOLOGY OF CANCER. Academic rank is dependent upon qualifications. Candidates should have an M.D. and/or Ph.D. degree, post doctoral experience, and a strong record of research accomplishments. Responsibilities include conducting research on cancer genetics, becoming a leader in cancer molecular genetics, and teaching students and fellows. Dedicated time for clinical care is an option.

Benefits/Advantages:

- Generous start-up funds.
- Ongoing research funding.
- Collaboration with Henry T. Lynch, M.D.
- Highly competitive salary/benefits package.

Contact: Phyllis Vajda
phylblan@aol.com
Tel: 303-369-0566
Fax: 303-369-7310

Creighton University is an Affirmative Action/Equal Employment Opportunity employer.

**Chair, Dept. of
Molecular Genetics
and Microbiology**

The School of Medicine at Stony Brook University is seeking candidates for the position of Chair, Department of Molecular Genetics and Microbiology.

The School of Medicine is dedicated to excellence in teaching, research, and clinical care. The School has a long-standing record of accomplishment in the basic sciences, which it seeks to grow. The department is currently comprised of 16 full-time faculty, and has internationally recognized research programs in areas of cancer, infectious disease, molecular genetics and cell signaling. Emphasis in research themes that will enhance the parallel development of the Cancer Center will be given top consideration.

Candidates should have an outstanding record of achievement in scholarship and be committed to the academic goals of the University. Applicants must hold a doctoral degree or equivalent, and be qualified for a senior faculty appointment.

Please submit nominations and applications, including a curriculum vitae to: Craig C. Malbon, Search Committee Chair, School of Medicine, Health Sciences Center Level 4, Rm 174, Stony Brook University, Stony Brook, NY 11794-8430. E-mail: craig@pharm.sunysb.edu

The search committee will begin reviewing applications on September 4, 2001, but will remain open until a suitable candidate is appointed.

AA/EOE

**STONY
BROOK**
STATE UNIVERSITY OF NEW YORK

Pharmaceutical

**Explore all the possibilities that leading
edge science offers.**

Opportunities in Human Biomarker Exploratory Research

GlaxoSmithKline joins together the talented people of Glaxo Wellcome and SmithKline Beecham to create the world's leading research-based pharmaceutical company. We're the market leader in four of the five largest therapeutic categories, with unrivaled global marketing strength and powerful R&D and Manufacturing capabilities supporting a research spend of \$4 billion and sales of \$27.5 billion annually. Best of all, the industry's greatest, most innovative minds are now assembled under one name.

Site Head

Working in our Upper Providence facility, located in suburban Philadelphia, PA, you will supervise the development of biochemical, immunochemical and molecular markers for assessing compound activity in clinical trials and experimental medicine studies as well as developing laboratory strategies to support experimental medicine objectives. While using your strong interpersonal skills as you work both independently and within a matrix environment, you will also supervise the development, validation and performance of a variety of methodologies. You will also maintain GLP compliance for their laboratory, adhering to federal and international guidelines. Along with your Ph.D. or M.D. in a laboratory discipline, significant track record of accomplishment in scientific research and strong supervisory experience, your 5 years of pharmaceutical industry experience or 10 years academic research and GLP experience is necessary. The ability to develop protocols and SOPs while understanding the implications involved in protocol deviations is essential. Broad theoretical and practical knowledge of assay development and validation principles, including ELISA, RIA, HPLC, PCR is needed, as well as in depth working knowledge of at least one therapeutic area related to the department's activities. Thorough knowledge of the early drug development process is preferred. (Job Code: 01-0557)

Senior Scientists

An opportunity exists in both our Collegeville, PA and Presbyterian Hospital facilities. You will independently develop and validate assay methods for the measurement of pharmacodynamic markers of activity, in addition to troubleshooting instrumental and experimental problems. Using your leadership and communication skills, you will also provide direction to laboratory personnel, act as a scientific advisor for junior analysts, and represent the laboratory at meetings. Along with your relevant Ph.D. in an area of scientific or clinical focus (A.S.C.P. certification preferable for safety laboratory) and 5 years of experience, you will have a broad knowledge of principles, practices, and procedures in a relevant scientific field and have a good understanding of the clinical development process. (Job Code: 01-0418)

GlaxoSmithKline is dedicated to an innovative workplace and supports you with career long opportunities and learning. We offer a competitive benefits and compensation package designed to attract and retain the very best. In addition, Working Mother magazine 2000 has listed both Glaxo Wellcome and SmithKline Beecham as two of the 100 best companies as employers for working mothers. For confidential consideration, please visit our website at www.gsk.com Indicating Job Code is essential to search. No phone calls, please. Principals only, no agencies, please.

Developing talent through equality of opportunity, MIF/DV.

gsk GlaxoSmithKline

You're looking at a part of science history.



Read about the human genome — www.sciencemag.org

In the 16 February issue, *Science* published for the first time the entire sequence of the human genome. The research findings contained in this issue mark a historic scientific event that will have incredible impact on our future. The data may be mined to finally develop cures for cancer, AIDS, and other deadly diseases. Or it may offer clues to solve other biological mysteries.

One thing is certain, the research contained in this issue of *Science* marks the true beginning of the genomics revolution. Discover the future every week in *Science*.

Science

Discover the Future

NATIONAL CANCER INSTITUTE

CENTER FOR
CANCER RESEARCH

Technology Coordinator and Liaison

*The NIH is an
Equal Opportunity
Employer.*

This position is located in the Office of the Director, Center for Cancer Research, National Cancer Institute, National Institutes of Health. The incumbent will serve as the Center's liaison with the NIH's and NCI's Technology Development Offices, scientific staff, and academic and industrial technology collaborators. The incumbent's duties will include overseeing the Center's technology development and industrial relation efforts, providing advice to the Center's Director, key staff, the scientific community, academia, and industry on issues relating to intellectual property, licensing and patents and the negotiation of collaborative agreements. The incumbent will work closely with industrial, academic, and federal scientists to facilitate the development and interchange of scientific and technical resources through the initiation of Material Transfer Agreements (MTAs), Confidential Disclosure Agreements (CDAs), and Material-CRADAs (M-CRADAs). The candidate will also facilitate the Center's collaborative scientific and clinical research agreements including, Cooperative Research and Development Agreements (CRADAs) and Clinical Trial Agreements (CTAs). The candidate should possess adequate knowledge in a medical or scientific discipline, intellectual property, and licensing negotiation. The candidate should be able to effectively communicate with scientific, business, and legal staff on all matters relating to technology development. The candidate should have the knowledge, skills, and ability to perform successfully in this position and either hold a M.D. or Ph.D. Salary will be commensurate with experience. Send curriculum vitae, bibliography and 3 letters of recommendation to:

*Ms. Kathy Lucas
Secretary
Center for Cancer Research
31 Center Drive, Room 3A18
Bethesda, MD 20892-2440*

GLOBAL OPPORTUNITIES



Vice-President – R&D

PanBio develops, commercialises and markets diagnostic testing kits for infectious diseases as well as develop new generic diagnostic platforms. The Company's R&D program is designed to develop new patentable technology platforms to extend the range and provide licensing opportunities, and to progressively expand the range of infectious disease products.

The Company has a track record of commercialising R&D from both in-house and collaborative projects and has built a strong intellectual property portfolio. The Company is also a founding member of the Australian Cooperative Research Centre for Diagnostic Technologies. The Company successfully raised \$17 Million through an IPO and subsequently listed on the Australian Stock Exchange on 9th April 2001.

PanBio has an energetic team of more than 60 talented people located in our Brisbane and Maryland (USA) facilities. The team delivers outstanding scientific and business results in an environment that fosters personal growth, trust and open sharing of information.

We require a Vice President of R&D to be based in our Brisbane facility to head up our global R&D program. Responsibilities will include directing scientific and professional staff engaged in multi-disciplined research projects and liaison with external collaborative researchers. The position will report directly to the CEO.

The successful applicant will have at least five years experience in a senior scientific research position and preferably have some commercial research experience. A strong understanding of immunoassay principles and multi-platform technologies (eg. ELISA, lateral flow rapid tests and molecular biology – DNA diagnostics) would be highly regarded.

PanBio is committed to teamwork and working within a self-managed and in a cross-functional team environment. The VP of R&D would be expected to nurture this management style.

The remuneration package for this senior position will be commensurate with your experience and qualifications. A copy of the Position Description and an expanded advertisement is available on our website (www.panbio.com.au). Applications will be submitted in writing by 31st August 2001, including CV and at least two referees to: **Confidential "VP R&D", PanBio Limited, 116 Lutwyche Road, Windsor QLD 4030, Brisbane, Australia**

Voice: Intl + 61-(0)7-3357-1177
Website: www.panbio.com.au

Fax: Intl + 61-(0)7-3357-1222

Email: mini_baumann@panbio.com.au

TO LAND THE PERFECT JOB YOU
SHOULDN'T HAVE TO SCOUR THE EARTH.

That is unless you're a planetary scientist.

Science @
CAREERS 
www.sciencecareers.org

job postings
resume/CV database
e-mail alerts
employer profiles



MAYO CLINIC
Postdoctoral Training in
Cardiovascular Research
NIH-Training Grant Positions
Foundation-Supported Positions

Opportunities exist to study cardiovascular biology and disease in the laboratory of an NIH-funded investigator at the Mayo Clinic in Rochester, MN. Candidates with an M.D. or Ph.D. may apply. American citizenship or permanent residency is required for the NIH-Training Grant positions. Outstanding foreign applicants with previous research experience will be considered for Foundation-Supported positions. The Faculty and research areas include:

J.C. Burnett, Jr., MD – The natriuretic peptides and other humoral factors in heart failure and atherosclerosis

M.M. Redfield, MD – Diastolic heart failure and humoral control of ventricular function in hypertension and heart failure

R.D. Simari, MD – Vascular biology and gene transfer for cardiovascular diseases

A. Lerman, MD – Endothelial function, coronary physiology and imaging

T.M. Olson, MD – Genetic basis of cardiovascular diseases

V.L. Roger, MD – Population studies of coronary disease

R.J. Rodeheffer, MD – Epidemiology of heart failure

A. Terzic, MD, PhD – Ion channel biology, bioenergetics and nuclear transport in the heart

V.K. Somers, MD, PhD – Neurohumoral, vascular and metabolic mechanisms linking normal and disordered sleep to cardiac and vascular disease

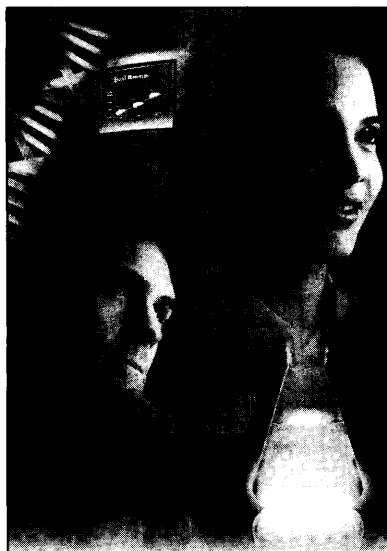
Salary is determined by the successful candidate's experience. An attractive benefit package is offered. Mayo Clinic Rochester is a non-profit, physician led, clinical practice with education and research in a unified multi-campus system.

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

M.M. Redfield, MD
Cardiorenal Laboratory
Guggenheim 9
Mayo Clinic
200 First Street, SW
Rochester, MN 55905

See: <http://www.mayo.edu/research/>

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



challenge innovation teamwork

The Face of Pfizer

careers that matter

The best is getting even better! As the world's largest pharmaceutical research enterprise, Pfizer is dedicated to providing the best innovations in medicine while pursuing tomorrow's discoveries in research and development. With an R&D budget of \$4.7 billion, our team has spurred Pfizer's exceptional performance in 30 countries and across 6 continents. If you share our dedication to discovering,

developing and delivering medicines to improve the health of both people and animals worldwide, we want yours to be the newest Face of Pfizer. Consider the following opportunities at Pfizer Global Research and Development facilities in La Jolla, California, and Ann Arbor, Michigan.

Associate Scientist, Molecular Biology (La Jolla)

Working in our Molecular Biology Department, you will be in charge of the *E. coli* fermentation facility. This hands-on position requires operating bioreactors (5-100L) for research projects in oncology, virology, ophthalmology, obesity and diabetes. You must have a BS/MS/PhD in Biochemistry, Molecular Biology or a related field and 3+ years experience in bacterial fermentation. A demonstrated knowledge of other fermentation systems (including yeast and insect cells/baculovirus) for recombinant protein production is preferred. Req. #01-0542-5V105SL

Group Leader, Pharmacology (La Jolla)

Capitalize on your background of scientific leadership in oncology by lending your expertise in the discovery or characterization of cytotoxic agents, signal transduction inhibitors, chemosensitizers, or drug combinations. This position requires a PhD or MD, along with significant experience in a biopharmaceutical company. A strong record of leadership that includes directing R&D projects, supervising a group of investigators and building high performance teams is highly desirable. Req. #00-0032-125SG

Senior Scientist/Group Leader (La Jolla)

Leading a pharmacology group dedicated to the discovery and testing of novel therapeutics, you will work with the Ophthalmology Therapeutic Area Leader to identify and develop new targets and approaches for the treatment of age-related macular degeneration, diabetic retinopathy and other serious ocular diseases. This position requires 8+ years experience in drug discovery (including experience in a supervisory role) and a demonstrated knowledge of retinal diseases. Familiarity with models of ocular angiogenesis or light damage/neuroprotection is preferred. Req. #01-0621-5V125SG

Research Associate, Molecular Sciences (Ann Arbor)

In this role, you will identify and validate novel targets for anticancer drug development and participate in new research initiatives directed toward exploratory target activities. These activities will include bacterial/baculovirus cloning and expression, antibody generation and the development of knockout and transgenic models. You'll also join cross-disciplinary project teams while supervising junior colleagues. You must have a PhD in Biology, Biochemistry or a related discipline and 5+ years experience in a molecular biology laboratory. A strong background in signal transduction, cancer biology and yeast genetics is preferred. Req. #10Apr0104235

Senior Associate Scientist/Scientist, High-Throughput Cloning and Expression Optimization (Ann Arbor)

Working in a team-based environment, you will support structural biology and high-throughput screening efforts by optimizing recombinant protein expression using both prokaryotic and eukaryotic expression systems. You will also develop and implement robotics/automation technology to process multiple samples for high-throughput protein expression and purification studies. You must have a BS/MS/PhD in Biochemistry, Molecular Biology or a related field along with relevant experience. Req. #07Jun0105495

Pfizer offers an exceptional work environment complete with competitive salaries, exceptional benefits and training opportunities designed to develop your professional talents. We encourage all applicants to apply by emailing your resume, indicating the appropriate Req. # in the subject field, to SCI@pfizerresumes.com. If necessary, you may also mail your resume, indicating Req. #, to Pfizer Resume Processing Center, 630 Boston Road M-104, Billerica, MA 01821, Attn: Softshoe Resumes. An equal opportunity employer, Pfizer offers a workplace rich with diversity and potential.



Life is our life's work.

WE'RE OUT TO
Treat the Cause of the
Common Cold

It may be hard for some to imagine a pharmaceutical company so young, tackling a project so huge - and so important! But, at ViroPharma, you can set your imagination free to explore all the tremendous challenges and possibilities that our research has to offer.

Phase III trials to treat the Common Cold; Phase II trials to treat Hepatitis C, and Phase I trials to treat RSV disease! We can handle it. By combining youthful exuberance with solid know-how in drug discovery, development and commercialization, we're able to address these monumental issues with capabilities well beyond our years. Your sense of awe and wonder, and your natural inquisitiveness are always welcome. Because at ViroPharma, we have the perfect environment to unleash your creative talents.

Ph.D. Biologists

We are seeking Ph.D.-level individuals with several years of postgraduate training in molecular biology, virology, protein biochemistry and related areas including recombinant gene expression in *E. coli*, baculovirus and stable and transient mammalian cell systems. Experience in the development of assays that measure essential virus functions is preferred. To be successful, you must have a strong desire to discover inhibitors of virus replication and the wide range of technical experience necessary to contribute significantly to a team approach to drug discovery. You must also be capable of independently initiating and pursuing novel ideas toward the same end. **Job Code: MC1**


Molecular Biology/Enzymology

Successful candidates will possess experience in molecular biology techniques and recombinant baculovirology for this exciting opportunity. Requirements include: relevant bachelor's or master's degree and several years of research laboratory experience. Experience in enzyme assays is a plus. **Job Code: MC2**

Our competitive salaries and benefits including: Medical/Dental Insurance, 401(k), and Stock Options, are a perfect cure for the common career. Qualified applicants may send their resume indicating appropriate job code to: **ViroPharma Incorporated, 405 Eagleview Boulevard, Exton, PA 19341; Fax: (610) 458-7380; Email: employment@viropharma.com**

We are committed to diversity for the power it brings to our success.
EOE Principals only please.

Research Our Opportunities @
www.viropharma.com



Molecular Therapeutics

The Department of Molecular Therapeutics at **The University of Texas M. D. Anderson Cancer Center** in Houston has faculty positions available for outstanding applicants with interests in molecular, cellular and genetic approaches to cancer etiology and management and, in particular, molecular therapeutics. Individuals working in the areas of signal transduction, oncogenes and tumor suppressor genes as they relate to molecular therapeutics are particularly encouraged to apply.


We offer a highly attractive recruitment package, an active graduate and postdoctoral training program and the unmatched scientific environment of the Texas Medical Center. Tenure or tenure-track faculty positions available for applicants who hold a Ph.D. and/or M.D. and be able to demonstrate their potential as independent scientists. Those interested should send a C.V., a two-page research summary and the names and addresses of at least three references to:

Gordon B. Mills, M.D., Ph.D.,
Chairman, Department of Molecular Therapeutics
The University of Texas M. D. Anderson Cancer Center
1515 Holcombe Boulevard, Box 317
Houston, TX 77030

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

The University of Texas M. D. Anderson Cancer Center values diversity in its broadest sense. Diversity works at M. D. Anderson. EEO/AA Smoke-free environment.

**Max-Planck-Institut für
Entwicklungsbiologie**



The newly founded Department of Protein Evolution at the Max-Planck-Institute for Developmental Biology in Tuebingen is seeking a

**Software Engineer or
Computational Scientist**

with expertise in web design and development. The successful candidate will oversee and coordinate software development efforts within the department. Knowledge of UNIX, CGI Perl, C/C++ is expected, Java and SQL preferred. Candidates should have a track record of software development. Biological knowledge is not required but will be preferred. Knowledge of the English language is essential. Candidates with a scientific profile will be encouraged to establish an independent research program in computational biology. The position is tenure-track or tenured, depending on the candidate's qualifications and seniority, and is remunerated according to the BAT scale.

The goal of the Department of Protein Evolution is to reconstruct early events in the development of proteins, both theoretically and experimentally, and to develop a system for protein taxonomy.

Please address your curriculum vitae and supporting materials, including the names of three references to

Andrei Lupas
c/o Karin Lehmann
Max-Planck-Institute for Developmental Biology
Spemannstr. 35, D-72076 Tuebingen
or by e-mail to andrei.lupas@tuebingen.mpg.de.

The Max-Planck Society is an equal opportunity employer.

FACULTY

Director
Center for Marine Genomics
Scripps Institution of Oceanography
University of California, San Diego

Scripps Institution of Oceanography invites applications for the position of Director of its newly established Center for Marine Genomics. This is an opportunity to provide leadership to a diverse group of scientists applying genomics, proteomics and bioinformatics in multidisciplinary studies of marine organisms. Current faculty are using genomic approaches to address a broad range of problems in marine sciences: biodiversity, biogeography, evolution, symbiosis, ecosystem structure and functioning, bioremediation, marine pharmacology, ecological epidemiology and the role of the ocean biota in the global carbon cycle. We seek a distinguished scientist and educator with a vigorous research program in a relevant discipline and with the ability to provide intellectual leadership to our multidisciplinary group of marine scientists. The establishment of the Center is at an early stage; therefore, there is the opportunity to shape the research program. We are in the process of acquiring funds for additions to the faculty and for a building to house the Center. The Director will also hold a tenured Professorship in the graduate department of Scripps Institution of Oceanography; salary will be commensurate with qualifications and experience based on the UC pay scale.

Applications received by September 30, 2001 will receive full consideration. Send letter of application including description of research interests, list of publications, resume of teaching experience, and names/addresses/email addresses of three referees to:

Chair, Marine Genomics Search Committee
SIO Graduate Department
University of California, San Diego
9500 Gilman Drive
La Jolla, CA 92093-0208

UCSD is an Equal Opportunity/Affirmative Action Employer.



*Different People
One Shared Vision*

Leading the Way for a Healthier World™

At **Wyeth**, a division of Fortune 500 American Home Products Corporation, we have set ourselves apart from the others in the pharmaceutical industry by discovering and developing exceptional pharmaceutical, vaccine and nutritional products. Our strong name becomes even stronger when linked to our outstanding over-the-counter products such as Advil®, Robitussin®, Dimetapp®, ChapStick®, Anbesol® and more. Our superior research, manufacturing, sales and marketing are the result of the effort of our employees united in a shared vision - leading the way for a healthier world. We currently have openings at our **Rochester, NY** facility.

Sr. Research Scientist

- Ability to design and perform complex *in vivo* and *in vitro* experiments that utilize well-established and/or novel technologies to assess the interplay between innate and adaptive immune responses
- Knowledge of the various signaling events that initiate inflammation
- Ability to handle small animals, isolation and enrichment of human and murine leukocyte subpopulations, tissue culture, and the performance of a wide variety of routine *in vitro* assays that measure cellular and humoral immune responses
- Ph.D. in Biological Sciences with at least 2-5 years post-graduate experience
- Firm grasp of flow cytometry and experience with molecular biology technologies that analyze messenger RNA are preferred

The collective skills of 40,000 of the world's top talent keep us on the cutting edge. We care for our people by offering flexible schedules, rich avenues for advancement, generous compensation, stock options, childcare subsidies, education assistance, and other great benefits. For consideration, please forward your resume and salary requirements to: **Wyeth Pharmaceuticals, Attn: Human Resources, 211 Bailey Road, West Henrietta, NY 14586-9728. Fax: 716-273-7540. E-mail moreyj@war.wyeth.com** No phone calls. Principals only. Equal Opportunity Employer M/F/D/V



Explore opportunities at Wyeth:
www.wyethjobs.com

Build World Class Genomics
Capability in British Columbia

GenomeBritishColumbia

President
& CEO



The mandate of Genome BC is to build a productive and internationally competitive genomics community in British Columbia as part of Genome Canada's genomics initiative. One of five research centres established across Canada, Genome BC works in concert with various government agencies, national and international foundations, universities and private sector partners, playing a significant role in structuring and mobilizing genomic research in key selected areas such as human health, environment, forestry and fisheries.

As the President & CEO, working with your Board and senior staff, you will provide strategic leadership in establishing a highly credible and effective organization and in marshalling the support of key partners and stakeholders to acquire the necessary resources to fulfill the organization's mandate.

The ideal candidate is a visionary executive with an entrepreneurial spirit, as well as strong interpersonal, team leadership, negotiation, and communication skills. Comfortable working with diverse groups in biotechnology, pharmaceutical, academic or research communities, you are skilled at fostering strategic relationships and balancing the need for innovation with sound business practices.

Explore this unique, Vancouver-based opportunity by sending your resume in confidence to Barbara Quelch, Wendy Carter or Alec Wallace at Ray & Berndtson/Tanton Mitchell, Suite 710 - 1050 West Pender Street, Vancouver, B.C., V6E 3S7, Tel: (604) 685-0261, Fax: (604) 684-7988, e-mail: vancouver@raybern.ca



RAY & BERNDTSON

Global leaders in Executive Search

*New England Biolabs,
a world leader in the
manufacture and supply
of reagents for Molecular
and Cell Biology, has
the following position
available.*



Postdoctoral Fellow

Position available immediately for a recent Ph.D. to carry out functional genomic studies of microbial genomes. Experience with molecular biology or pathogenic bacteria are desirable.

At NEB, scientists conduct basic research in various disciplines and routinely publish their work in leading journals and present at scientific conferences.

Send a cover letter, resume, and three references to:
Dr. Humin Kong, or e-mail to kong@neb.com

**New England Biolabs, Inc.
32 Tozer Road
Beverly, MA 01915**

An Equal Opportunity Employer

GENOMICS INSTITUTE OF THE NOVARTIS RESEARCH FOUNDATION

Biology Positions

We seek outstanding biologists to develop innovative combinatorial molecular and cellular strategies to address challenging problems in biomedical research and human disease. Biologists will combine functional small molecule, cDNA expression and antibody library screens with custom ultra-high throughput robotic systems to identify critical effectors in disease. Successful candidates will interact closely with a state-of-the-art, integrated technology platform (genomics, proteomics, bioinformatics, and high throughput screening), and biomedical research programs in neurobiology, immunology, signal transduction/cancer biology and microbiology/virology.

We are interested in biologists/biochemists with academic and/or industrial research experience (B.S., M.S., Ph.D.) who desire to participate in building a world class biomedical research program that includes the development and application of new technologies to significant medical and disease areas.

We also seek outstanding individuals with experience in cutting-edge laboratory robotics and automation.

Please submit C.V. and any supporting documents to:

**Dr. Peter Schultz, Institute Director
Dr. Jeremy Caldwell, Director of Molecular and Cell Biology
Genomics Institute of the Novartis Research Foundation (GNF)
Job Code: JC**

**3115 Merryfield Row Suite 200, San Diego, CA 92121;
Fax: 858/812-1670; or Email: jobs@gnf.org
(subject line must include Job Code)**

The Genomics Institute of the Novartis Research Foundation (GNF), located in the Torrey Pines area of San Diego, CA, is funded by the Novartis Research Foundation and dedicated to the development and application of new methods and techniques for genome-wide biological discovery and biomedical research. EOE

www.gnf.org

Max-Planck-Institut für Entwicklungsbiologie



The newly founded Department of Protein Evolution at the Max-Planck-Institute for Developmental Biology in Tuebingen is seeking a

Head of Laboratory

with expertise in protein biochemistry and molecular biology. The successful candidate will supervise and lead the experimental unit within the department and conduct independent research in the area of protein biochemistry. Candidates should hold an advanced degree in a biological or chemical discipline and have at least 3 years of postdoctoral experience. Knowledge of the English language is essential. The position is tenure-track or tenured, at the level of BAT IIa or Ib, depending on the candidate's qualifications and seniority.

The goal of the Department of Protein Evolution is to reconstruct early events in the development of proteins, both theoretically and experimentally, and to develop a system for protein taxonomy.

Please address your curriculum vitae and supporting materials, including the names of three references to

**Andrei Lupas
c/o Karin Lehmann
Max-Planck-Institute for Developmental Biology
Spemannstr. 35, D-72076 Tuebingen**

or by e-mail to andrei.lupas@tuebingen.mpg.de.

The Max-Planck Society is an equal opportunity employer.

Science is a proud sponsor of
Drug Discovery Technology 2001
in Boston, MA, 12-17 August 2001.
For information: www.drugdisc.com.

It's about JOBS.

SCIENCE CAREER FAIR

BOSTON, MA, AT THE SEAPORT HOTEL
One Seaport Lane, Boston, MA 02210, Plaza Ballroom

13 August: 10 am – 3 pm

Bring multiple copies of your CV or resume with you ; a copy is necessary for admission. Admission is FREE.

For information and a list of exhibitors, visit sciencecareers.org and click on Career Fairs or call 202-326-7018.

For information contact Daryl Anderson
phone 202-326-6543
fax 202-289-6742
e-mail danderso@aaas.org

Science
CAREER FAIRS
www.sciencecareers.org

POSTDOCTORAL FELLOWSHIPS IN MOLECULAR AND CELL BIOLOGY AT THE NIH

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

- Membrane protein biogenesis. We are currently using a combination of biochemical and genetic approaches to investigate the targeting, membrane integration, assembly, and trafficking of multi-spanning membrane proteins in model systems such as bacteria and yeast. See Cell (1997) 88: 187, Proc. Nat. Acad. Sci. (2001) 98: 3471, and J. Bacteriol. (2001) 183: 2187. (**Harris Bernstein**)

- Biochemistry and molecular biology of homologous recombination in eukaryotes and prokaryotes. Current interests include mouse meiosis (Mol. Cell (2000) 6:975, DNA damage and repair (Genes and Dev. (2001) 15: 415), the structure of recombination proteins and their reaction intermediates (J. Mol. Biol. (2000) 299:629; J. Mol. Biol. (2000) 303:709), and novel approaches to gene therapy (including the use of small molecules that promote gene targeting and silencing, such as miniRecAs (Science (1996) 272:868)). Approaches used include protein and peptide biochemistry, mouse knock-outs, chromosome immunolocalization, structural biology, gene microarrays, proteomics, and biophysical approaches. (**Dan Camerini-Otero**)

- Molecular mechanisms of DNA repair and homologous recombination. Current efforts focus on structure-function studies of multi-protein-DNA complexes involved in DNA mismatch repair and homologous recombination [JBC (1999) 274:23673; Nature (2000) 407:703; J. Mol. Biol. (2001) 305:805; J. Biol. Chem. (2001) in press]. (**Peggy Hsieh**)

- Molecular mechanisms of orphan nuclear transcription factors. Molecular investigations include: transgenic and gene targeted mouse models, yeast 2-hybrid screening and gene expression profiling. Applicants should have a strong background in molecular and cell biology. (MCN (1998) 11: 36; Neuroscience (1999) 93:631; MCB (1999) 19:6833) (**Vera Nikodem**)

- The molecular mechanisms facilitating RNA metabolism, specifically the processing events within rRNA. We are identifying CIS-acting elements (RNA (1998) 4:1610; NAR (2001) 29:2106) that are essential for accurate processing of rRNA in yeast. In vivo and in vitro biochemical assays help identify and characterize trans-acting factors essential for processing at specific sites (MCB (1997) 17:3702; JBC (1999) 274:35914; RNA (2001) 7:207-219). Identifying the RNA:RNA and RNA:protein interactions facilitating early steps of rRNA processing will help elucidate the mechanisms regulating ribosome biogenesis in eucaryotes. (**Brenda Peculis**)

Interested candidates should send a letter stating their interests, their curriculum vitae and list of publications, and arrange to have letters from three references sent to one of the investigators above or to Dr. R. Daniel Camerini-Otero (camerini@ncifcrf.gov), Chief, Genetics and Biochemistry Branch at:

**Genetics and Biochemistry Branch
10 Center Drive, MSC 1810, Building 10, Room 9D-20
National Institutes of Health
Bethesda, Maryland 20892**

GLOBAL OPPORTUNITIES



The Howard Florey Institute Senior Research Positions in Neuroscience 2 Positions

The Place

The Howard Florey Institute, a leading Australian medical research Institute focusing on neuroscience, is located on the campus of the University of Melbourne, in the heart of the city's knowledge precinct. The Institute houses state-of-the-art equipment for functional neuroimaging, peptide and protein chemistry, molecular biology, neural development, electrophysiology and whole animal physiology.

The Positions

The Institute seeks to appoint two internationally renowned scientists to complement its current strengths in neurochemistry, neural development, neural genetics and neuroinformatics.

Candidates will have an outstanding record of achievement as demonstrated by publication record, capacity to attract financial support and ability to liaise with industry. Demonstrated leadership, innovation and international profile will be highly regarded.

The Benefits

A flexible remuneration package, commensurate with status, achievement and leadership will be negotiated with the successful applicants. Leave loading and generous superannuation benefits apply.

Contact

The Director, Professor Frederick Mendelsohn, may be contacted for advice, initially via email (faom@hfi.unimelb.edu.au). Enquiries will be treated in confidence.

A position description is available on the internet at www.hfi.unimelb.edu.au

Applications should be addressed to the **Human Resources Manager, The Howard Florey Institute, The University of Melbourne, Victoria, Australia, 3010.**

Applications close 31 August 2001.

Department Of Medicine University of Kentucky Lexington, KY



Tenure track positions for Physician Scientists

The University of Kentucky has initiated a program to attract faculty with either M.D. or M.D./Ph.D. degrees to tenure track positions for individuals wishing to pursue independent scientific careers. These appointments will be at the Assistant Professor level. Although any clinical specialty within the Department of Medicine will be considered, preferred candidates should have a research background in the atherosclerosis/vascular biology area. The successful candidate will benefit from interactions with the large group of productive faculty at the University of Kentucky that are in this research area. Attractive start-up packages will be offered, that will include a strong emphasis on protected time.

Interested individuals should submit a curriculum vitae, examples of publications, and a future research plan to:

Alan Daugherty, Ph.D.
Associate Chair for Physician Scientist Training
Department of Medicine
Sanders-Brown, Room 424
Lexington KY 40536-0230

Informal inquiries may be directed to Dr. Daugherty either by e-mail (adaugh@pop.uky.edu) or telephone (859-323-3996 x 290).

UK is an Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

FACULTY POSITION New York University School of Medicine Department of Microbiology

The Department of Microbiology is seeking candidates for tenure-track faculty positions at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level. While qualified applicants in a variety of microbiology disciplines will be considered, applicants in the fields of prokaryotic molecular biology, microbial pathogenesis, viral-host cell interactions, and viral persistence are particularly encouraged to apply. Our department represents a range of research strengths including mechanisms of viral and bacterial pathogenesis, host cell defense mechanisms, microbial and molecular genetics, oncogenesis, signal transduction by growth factors and cytokines, and regulation of gene expression at the transcriptional and translational level. Recruitment is part of a schoolwide plan for development of an infectious diseases program that will complement our existing strengths in these areas. Applications should include curriculum vitae, a statement of research interests, reprints and preprints, and three letters of reference to be forwarded separately. Send applications to: **Department of Microbiology Search Committee, Attention: Dr. Robert J. Schneider, New York University School of Medicine, 550 First Avenue, New York, NY 10016. Telephone: 212-263-5324. Application deadline: September 1, 2001.**

New York University School of Medicine is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSISTANT PROFESSOR. Faculty position at New York University School of Medicine in research programs involving EC coupling in the developing heart. The successful candidate will have expertise with isolated myocytes, cellular electrophysiology, and Ca^{2+} measurements. Postdoctoral experience and a strong record of research accomplishments are required. State-of-the-art voltage clamp systems and a new laser-scanning confocal microscope are available. Substantial protected time and start-up support will be provided, after which extramural funding is expected. **POSTDOCTORAL FELLOWSHIP POSITIONS** are also available immediately for multidisciplinary studies of K^+ channels in the cardiovascular system. Experience in patch clamping, molecular biology, and/or protein chemistry of ion channels is desirable. Applicants should send their curriculum vitae, bibliography, and names of three references (including e-mail addresses) to: **Ms. Patricia Reyes, Pediatric Cardiology, TWR 9V, NYU Medical Center, 540 First Avenue, New York, NY 10016. Telephone: 212-263-5993; website: <http://pedcard.med.nyu.edu/Pedlab/index.html>; e-mail: reyesp01@med.nyu.edu.**

RESEARCH ASSISTANT PROFESSOR

Applications are invited for a Research Assistant Professor for collaborative and independent research on drug and chemical metabolism. Applicants must have a Ph.D. degree in pharmacology, biochemistry, or medicinal or organic chemistry; at least two years of postdoctoral training; and the potential for independent funding. Experience in mass spectrometry, NMR spectroscopy, and *in vitro* drug metabolism is highly desirable. Please send curriculum vitae and the names of three references to: **M. W. Anders, Department of Pharmacology and Physiology, University of Rochester Medical Center, 601 Elmwood Avenue, Box 711, Rochester, NY 14642. The University of Rochester is an Affirmative Action/Equal Opportunity Employer.**

HEAD, Department of Statistics, University of Georgia. Ph.D. in statistics or related field required. Applicant should be capable of facilitating department's growth in bioinformatics, biometry, or information technology. For complete job description, see **website: <http://www.stat.uga.edu>**. Send letters of application, résumé, and names of four references to: **Head Search Committee, Department of Statistics, University of Georgia, Athens, GA 30602. Review begins October 15, 2001.**

Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged.

POSITIONS OPEN

TENURE-TRACK POSITION AGE-RELATED NEURODEGENERATION Department of Physiology and Neuroscience Medical University of South Carolina

The Department of Physiology and Neuroscience at the Medical University of South Carolina seeks to fill one **TENURE-TRACK POSITION**. Rank will be commensurate with experience and the candidates must have a Ph.D. or M.D., a minimum of three years of postdoctoral training, and evidence of the ability to sustain an extramurally funded research program. We are seeking an individual with strong research interests in age-related diseases, primarily Parkinson's and/or Alzheimer's disease; experience in behavioral neuroscience is preferable, but all outstanding candidates are encouraged to apply. Candidates should send curriculum vitae, summary of research interests, and a list of at least three individuals to contact as references to: **Lotta Granholm-Bentley, D.D.S., Ph.D., Search Committee, Department of Physiology and Neuroscience, Medical University of South Carolina, 173 Ashley Avenue, Suite 403, Charleston, SC 29425. Review of applications will begin on September 1, 2001, and continue until the position is filled. For further information, contact e-mail: heissenc@musc.edu and website: <http://www2.musc.edu/PGY/PGY.html>. Medical University of South Carolina is an Equal Opportunity/Affirmative Action Employer.**

The Laboratory of Experimental Immunology, Center for Cancer Research, National Cancer Institute at Frederick, Maryland, invites applications for a **TENURE/TENURE-TRACK INVESTIGATOR** to conduct independent research studies. Applicants should have a Ph.D. or M.D.; demonstrated record of scientific accomplishments; and a strong background in the cellular, biochemical, and molecular events associated with the regulation and functions of monocyte/dendritic cells. The position provides salary, laboratory space and support budget, and technical and postdoctoral support to establish a cutting-edge research program focused on monocyte/dendritic cell biology and the interface between innate and adaptive immunity. Applicants should send curriculum vitae, brief statement of research interest, and three letters of recommendation to: **Ms. Susan Charbonneau, Executive Secretary, NCI at Frederick, Building 560, Room 31-93, Frederick, MD 21702-1201. Applications must be received by October 1, 2001. The National Cancer Institute is an Equal Opportunity Employer. Applicants must be U.S. citizens or permanent residents.**

DEPARTMENT OF PATHOLOGY COLUMBIA UNIVERSITY

Applications are requested for new faculty positions at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** rank in the areas of neurodegenerative disease, immunology, cell biology, and infectious diseases. Applicants will be expected to provide evidence of ability to develop a vigorous, grant-funded research program. Preference will be given to those who have current funding and certification in pathology. Please send curriculum vitae, statement of research program, and names of three references to: **Cindy Kitzinger, Department of Pathology, 630 West 168th Street, New York, NY 10032. E-mail: ck523@columbia.edu. Columbia University takes Affirmative Action toward Equal Employment Opportunity.**

Major national patent law firm located in New York City seeks highly qualified Ph.D. **SCIENTISTS** in biomedical and molecular biology fields interested in second-career opportunities in intellectual property law. Demonstrated technical writing skills essential. Competitive salaries and benefits and opportunities for challenging assignments. Send cover letter, résumé, transcripts, and a writing sample to: **Suzanne E. Krebs, Recruitment Manager, Morgan & Finnegan, LLP, 345 Park Avenue, New York, NY 10154. Telephone: 212-415-8590; FAX: 212-751-6849; e-mail: skrebs@morganfinnegan.com.**

Minorities/Females/Veterans/Disabled. Equal Employment Opportunity.

POSITIONS OPEN

STRUCTURAL BIOLOGIST AND BIOCHEMISTS Consortium for Cell Migration The Burnham Institute 10901 North Torrey Pines Road La Jolla, California

We are seeking up to 12 **RESEARCHERS** to join an exciting new interdisciplinary initiative to define the molecular processes that drive cell migration. Work at The Burnham Institute (**website: <http://www.burnham.org>**) will focus on the structural characterization of key molecules and assemblies and will combine X-ray crystallography, NMR, cryoelectron microscopy, and computational docking to ultimately provide atomic resolution models of multiprotein complexes.

Positions include (1) **SENIOR-LEVEL FACILITY MANAGER** (Ph.D.) to establish a protein purification and interaction facility; (2) **POSTDOCTORAL RESEARCH ASSOCIATES** (Experimental or Computational Structural Biologists; seven to eight positions); and (3) **RESEARCH ASSISTANTS** (Structural Biologists or Biochemists; three to four positions).

The Burnham Institute forms part of a vibrant scientific community situated next to the Pacific Ocean including the Scripps and Salk Institutes and University of California San Diego. Please e-mail current curriculum vitae and names of three references to: **Robert Liddington (e-mail: rliddington@burnham.org), Dorit Hanein (e-mail: dorit@burnham.org), or Niels Volkmann (e-mail: niels@burnham.org). Equal Opportunity Employer.**

ADMIRAL PIHL ENDOWED CHAIR IN NEUROSCIENCE Neuroscience Institute Medical University of South Carolina

Applications are invited to fill an Endowed Chair in the Department of Physiology and Neuroscience at the Medical University of South Carolina. The position is tenure track at the level of **ASSOCIATE or FULL PROFESSOR**. The applicant will be expected to play a significant role in the growth of the Neuroscience Institute. The applicant must have a Ph.D., M.D., or the equivalent and have a record of sustained extramural funding in the neurosciences. Priority will be given to individuals with research programs that augment areas of existing research excellence including aging, cell signaling, neuroregeneration, retinal and cochlear physiology, stroke, and substance abuse. Outstanding laboratory space and development funds are available. Review of applications will begin September 1, 2001, and continue until the position is filled. Send complete curriculum vitae, statement of research interests and accomplishments, and three letters of reference to: **Peter Kalivas, Ph.D., Department of Physiology and Neuroscience, Medical University of South Carolina, P.O. Box 250510, Charleston, SC 29425. E-mail: kalivas@musc.edu; website: <http://www2.musc.edu/PGY/PGY.html>. MUSC is an Equal Opportunity/Affirmative Action Employer.**

TENURE-TRACK ASSISTANT PROFESSOR University of Maryland School of Medicine

The Department of Pediatrics, University of Maryland School of Medicine, seeks a Structural Biologist with experience in the determination of protein structures by NMR. Applicant would work closely with other faculty of the Department in collaborative projects as well as pursue independent research. Applicants should have a Ph.D. and/or M.D. degree with extensive experience in modern-solution NMR techniques; those with expertise relevant to the projects ongoing in the Department will be preferred. Please send curriculum vitae, names and addresses of at least three references, and a statement describing research experience and interests to: **James P. Nataro, M.D., Ph.D., Center for Vaccine Development, 685 West Baltimore Street, Baltimore, MD 21201. E-mail: jnataro@medicine.umaryland.edu.**

The University of Maryland School of Medicine is an Equal Opportunity/Affirmative Action Employer.

Combining Talents To Expand Our Vision

GlaxoSmithKline joins together the talented people of Glaxo Wellcome and SmithKline Beecham to create the world's leading research-based pharmaceutical company. We're the market leader in four of the five largest therapeutic categories, with unrivalled global marketing strength and R&D and Manufacturing capabilities supporting a research spend of \$4 billion and sales of \$27.5 billion annually. Best of all, the industry's greatest, most innovative minds are now assembled under one name. If your goal is to change the world with innovative medicines, now is the time to join our respected team.

Head of Molecular Genetics

Research Triangle Park, NC

As the Head of Molecular Genetics, you'll lead a dedicated team of talented scientists working in the field of human molecular genetics. While forming unique bonds with team members, you'll have the opportunity to plan, execute and monitor various US-based molecular genetics projects, particularly in the fields of pharmacogenetics, disease susceptibility gene identification and mouse genetics. Additional responsibilities include working in a matrix team environment with other scientists in Research and Development to assist in developing a strategy for genetics within the drug discovery process and to create and manage the agreed experimental portfolio of Discovery Genetics.

You must have a Ph.D. and/or five years of experience in the field of molecular genetics with a proven track record in the field of mammalian molecular genetics. Experience leading major project teams necessary. The successful candidate will have excellent communication, leadership and organizational skills.

GlaxoSmithKline is dedicated to an innovative workplace and supports you with career long opportunities and learning. We offer a competitive benefits and compensation package designed to attract and retain the very best. For confidential consideration and efficient processing, please visit our website at www.gsk.com, indicating Job Code #11737. Principals only, no agencies please.

Developing talent through equality of opportunity, MIFIDIV.



SCIENTIST

NORTH WEST STRUCTURAL GENOMICS CENTRE

Daresbury, Warrington

5 Year fixed term contract

A NW structural genomics centre (NWSGC) has recently been established (see <http://www.nwsgc.ac.uk/>) to exploit the strength of several groups from a number of NW-Universities, a major pharmaceutical industry (AstraZeneca) and Daresbury Laboratory, as well as the unique resource offered by the close proximity to the only synchrotron radiation source in the UK. The centre is seeking to develop the infrastructure and facilities at the Laboratory to provide a high throughput crystallographic structure determination of proteins in a number of pathogens with the ultimate aim of improving our understanding of host-pathogen interactions leading to more effective drugs.

A five year grant by the UK research councils (BBSRC, EPSRC and MRC) funds the establishment of a dedicated MAD beam line on a 2.4 Tesla multipole wiggler on the SRS. This will provide a world competitive MAD facility in the UK for years to come. Funding for an experienced post-doctoral scientist is available immediately via this grant for 5 years.

We are looking for an experienced scientist to join this exciting project on structural genomics. Experience in crystallographic data collection at synchrotrons, data processing and structure determination would be extremely valuable. You will be responsible for developing the automation on the beam line, its instruments, data collection and high throughput processing of crystallographic data. He or she would be expected to play an active role in the science programme of the centre and would be the first point of contact for the consortium members and others in exploiting the high throughput facilities as well as in further developing aspects of high throughput structure determination.

For informal enquiries contact the joint co-ordinators of the NWSGC (Prof. Samar Hasnain at Daresbury on (01925) 603273 or Prof. John Helliwell at Manchester University on (0161) 275 4694.)

Starting salary is up to £24,620 per annum on a pay range from £19,700 to £27,080 at pay band 5, or up to £31,250 per annum on a pay range from £25,000 to £34,380 at pay band 4. Starting salary is dependent upon qualifications and experience. A non-contributory pension scheme, flexible working hours and a generous leave allowance are also offered.

Application forms can be obtained from: Human Resources Division, Daresbury Laboratory, Daresbury, Warrington, Cheshire, WA4 4AD. Telephone (01925) 603114 or email recruit@dl.ac.uk quoting reference VND099/01. More information about CLRC is available from CCLRC's World Wide Web pages at <http://www.cclrc.ac.uk>

All applications must be returned by 25 August 2001.

The Council for the Central Laboratory of the Research Councils (CCLRC) is committed to Equal Opportunities and is an Investor in People. A no smoking policy is in operation.



COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS

POSITIONS OPEN



SUPERVISORY SOIL SCIENTIST or SUPERVISORY RESEARCH AGRONOMIST or Supervisory Plant Physiologist or Supervisory Agricultural Engineer (Interdisciplinary)

The U.S. Department of Agriculture, Agriculture Research Service, George E. Brown, Jr. Salinity Laboratory, Riverside, California, invites applications for the position of Laboratory Director/Research Leader, GS-15 (\$91,164 to \$118,514 per annum; salary commensurate with experience). As Laboratory Director, incumbent is responsible for formulating and guiding a broad-scale, multidisciplinary research program on agricultural salinity problems of critical importance to U.S. agriculture and numerous national and international agencies. As the Research Leader of one of three research units within the laboratory, the incumbent will lead a multifaceted, interdisciplinary team of Research Scientists dealing with fundamental and applied research involving the investigation of soil, water, and crop water management problems related to the agricultural use of salt-affected soils and waters and the sustainability of irrigated agriculture and water quality protection. The Research Leader also personally performs basic and applied research within the scope of the laboratory mission in one of the research units. A Ph.D. or equivalent in soil science, agronomy, plant physiology, or agricultural engineering is highly desirable. This is a competitive, permanent appointment and *U.S. citizenship is required*. Applications must be marked ARS-X1W-1412. For specific application procedures and requirements, please call **Lynn Parks; Telephone: 301-504-1389** or you may obtain a copy of the vacancy announcement from the ARS Website: <http://www.ars.usda.gov/afm/brd/resjobs/index.html> under Announcement ARS-X1W-1412. Applications must be postmarked by September 28, 2001. *ARS is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.*

RESEARCH FELLOW/ RESEARCH SCIENTIST

Position available in the Laboratory of Gastrointestinal Tumor Biology of the Division of Digestive Liver Diseases at the College of Physicians and Surgeons of Columbia University to study aspects of carcinogenesis including receptor activation, signal transduction, and genetics. The candidate must have two years of documented experience in research, be proficient in a broad range of laboratory techniques including molecular biology and biochemistry, and have experience working with small laboratory animals. Submit curriculum vitae to: **Harold Frucht, M.D., Medicine/Digestive Liver Diseases, Columbia University, 630 West 168th Street, Box 83, New York, NY 10032.** *Columbia University is an Affirmative Action/Equal Opportunity Employer.*

PHARMACOLOGIST DRUG SCREENING

The successful applicant will have a Ph.D. in pharmacology, molecular biology, cell biology, or a related field with broad experience in high-throughput screening, combinatorial drug design, and preclinical drug testing. Experience in a pharmaceutical and/or biotechnical company at a managerial level is highly desirable. The ideal candidate will possess strong written and oral communication skills and will thrive in a team-oriented environment.

Please forward curriculum vitae to: **Human Resources, Originus Incorporated, 180 Jackson Plaza, Ann Arbor, MI 48103. E-mail: amansour@originusinc.com.**

POSITIONS OPEN



Enanta Pharmaceuticals is a small molecule drug discovery company located in the heart of Cambridge, Massachusetts. We are focused on discovering medicines using a team of experienced, talented, passionate individuals. Our staff of skilled employees works in an environment that rewards enthusiasm, talent, and success. We are currently searching for motivated individuals to join our growing pharmacology team:

SENIOR SCIENTIST/ SENIOR INVESTIGATOR Antiinfective Research Group

The candidate will lead or participate in the discovery and development of novel antimicrobial agents. The candidate should possess a thorough understanding of molecular biology, pharmacology, or microbiology fields. Expertise with bacterial protein synthesis inhibitors, bacterial whole cell screening formats, and/or *in vivo* evaluation of antimicrobials is required. Candidate should have a Ph.D. and three to eight years of postgraduate experience.

SENIOR RESEARCH SCIENTIST/ SENIOR INVESTIGATOR/DIRECTOR Pharmacokinetic Group

Candidate will be conversant with all aspects of the drug metabolism. In this critical position, you will develop assays for the analysis of pharmacokinetic samples from preclinical, clinical, and toxicology studies. The candidate will develop model systems to guide compound selection by therapeutic area groups.

Candidate is expected to have a Ph.D. in a biological or related analytical chemistry field. At least two to five years of hands-on experience, ideally within a pharmaceutical organization.

RESIDENT SCIENTIST SENIOR RESEARCH SCIENTIST Pharmacology Sciences Group

Candidate will conduct *in vitro* and *in vivo* efficacy studies and secondary pharmacodynamic evaluations of promising lead compounds.

Candidate will be responsible for the implementation and the development of functional pharmacology assays and *in vivo* inflammatory disease-related animal models.

The position requires a Ph.D. or equivalent with two years of postdoctoral experience. A comprehensive understanding of inflammatory disease processes, and hands-on experience in *in vivo* model development are required. Previous pharmaceutical industry experience is preferred.

PROJECT COORDINATOR/ PROJECT MANAGER

Candidate will be conversant with all aspects of project objective and functional planning. Facilitate timely communication of information/activities from department, project team members, and contract research organizations.

A university degree and two years of project coordination experience are required. Previous experience in pharmaceutical or biotechnology industry is desired.

Enanta offers the excitement of a start-up, employee stock options, competitive salary and benefits, and a highly interdisciplinary environment. No telephone calls, please. Please send résumés to **e-mail: hr@enanta.com.**

Two positions funded by the Cardiovascular Center of Excellence are available to study the signal transduction mechanisms related to the effect of nitric oxide and protein tyrosine phosphatases on migration, proliferation, and collagen synthesis by vascular smooth muscle cells. Our projects address basic science questions but also have relevance to clinical problems. Experience in the techniques of molecular biology is essential. Send curriculum vitae and the names of three references to: **Dr. Aviv Hassid, Department of Physiology, University of Tennessee, 894 Union Avenue, Memphis, TN 38163. E-mail: hassid@bellsouth.net; FAX: 901-448-7126.**

POSITIONS OPEN



RESEARCH ENTOMOLOGIST

The U.S. Department of Agriculture (USDA) Agricultural Research Service (ARS), Bee Biology and Systematics Laboratory, Logan, Utah, is accepting applications for a permanent, full-time **RESEARCH ENTOMOLOGIST** to provide expertise that will contribute directly to the USDA Small Farms Initiative. The incumbent will be a team member primarily responsible for a broad area of research on the population dynamics and management of the alfalfa leaf-cutting bee (*Megachile rotundata*), a commercial-scale pollinator of alfalfa, canola, and other crops. Applicants must have a directly related Ph.D. or equivalent degree, plus professional research experience. Salary is commensurate with experience (\$51,929 to \$94,682). *United States citizenship is required.* Comprehensive benefits package includes paid annual and sick leave, life and health insurance, and a savings and investment plan, in addition to a federal retirement plan. Vacancy announcement containing information on basic and specialized experience and competencies can be obtained at website: <http://www.ars.usda.gov>. For information on the research program and/or position, contact: **Dr. W. P. Kemp; Telephone: 435-797-2525, e-mail: wkemp@biology.usu.edu.** For information on application procedures contact: **John Watterson; Telephone: 435-797-3071.** Applications in response to this advertisement should be marked ARS-X1W-1310 and postmarked by September 14, 2001. *USDA is an Equal Opportunity Provider and Employer.*

ICHTHYOLOGIST

Illinois Natural History Survey
ASSISTANT/ASSOCIATE PROFESSIONAL SCIENTIST, Center for Biodiversity, Illinois Natural History Survey (INHS). Conduct collections-based research on systematics of nongame freshwater fishes (including molecular and/or morphological phylogeny, taxonomy, phylogeography, and/or conservation biology) with organismal focus and applicability to Illinois and the midwestern United States. Requires a Ph.D. in ichthyology or related discipline. Responsibilities: develop vigorous, externally funded research program; publish research findings in scientific journals; curate INHS ichthyological collection; work with state and federal agencies and University of Illinois. INHS is part of the Illinois Department of Natural Resources and an affiliated agency of the University of Illinois at Urbana-Champaign. Further information: website: <http://www.inhs.uiuc.edu>. Direct technical questions to: **Dr. Chris Dietrich; Telephone: 217-244-7408; e-mail: chdietri@uiuc.edu.** To apply, send cover letter, curriculum vitae, statement of research interests, and three letters of reference to: **Sue Key, Human Resources Manager, PRF Number 888, Illinois Natural History Survey, 607 East Peabody Drive, Champaign, IL 61820. Telephone: 217-244-7790; FAX: 217-333-4949.** Deadline: August 24, 2001. *INHS is an Equal Opportunity Employer.*

DIRECTOR

Advanced Technology Genomics Core Facility University of Southern California

Director experienced with analytical genomics, spotted microarray, and nucleic acid molecular technologies. Responsible for service to programs throughout USC. Ph.D. or extensive demonstrated experience required and ability to establish quality control and operating procedures. Director will participate in research activities and will supervise at least one technical staff member. Very competitive salary and benefits package is available. Send résumé to **e-mail: hscmp@hsc.usc.edu** and reference Request Number H07518 in the subject field or apply online at website: <http://www.usc.edu/jobs>. *Affirmative Action/Equal Opportunity Employer.*



**Agricultural Research Service
Instrumentation and Sensing Laboratory**

POSTDOCTORAL RESEARCH ASSOCIATE

The Instrumentation and Sensing Laboratory (ISL), Animal and Natural Resources Institute, Agricultural Research Service, United States Department of Agriculture, is seeking an **Agricultural/Biological Engineer** for a 2-year **Postdoctoral Research Associate** position (**Announcement # RA-01-065L**). Successful applicants will participate in research utilizing optical spectroscopy and imaging technologies to develop automated on-line systems for differentiating safety characteristics of various food and agricultural products. **REQUIREMENTS:** Ph.D. in Agricultural/Biological Engineering or other closely related disciplines, such as Food or Mechanical Engineering, with knowledge of instrumentation for biological materials, applied mathematics, statistical analysis. Ability to design and execute experiments, analyze data, report results, and publish findings in journals is essential. **BENEFITS:** Starting salary GS-11 \$42,724; possible GS-12 qualification contingent on applicant's experience and impact. Life and health insurance, 2-3 weeks annual leave plus holidays and sick leave.

Submit resume/curriculum vitae with references to: **Dr. Yud-Ren Chen, ISL, Bldg. 303 BARC-East, 10300 Baltimore Avenue, Beltsville, MD 20705-2350. Tel: 301-504-8450, FAX: 301-504-9466, Email: chen@ba.ars.usda.gov.** Applicants must be citizens of the U.S., of a country in a defense treaty with the U.S., or a country which U.S. Congress has specifically exempted from restricting legislation. For further information, contact **Beverley Jacobs, USDA/ARS, 5601 Sunnyside Avenue, Beltsville, MD 20705-5104. Tel: 301-504-1350, Email: bjacobs@ars.usda.gov.** Visit ISL at www.barc.usda.gov/anri/isl.

*The U.S. Department of Agriculture is an
Equal Opportunity Employer*

Tenured Senior Investigator in Membrane Receptor Trafficking Laboratory of Signal Transduction

**National Institute of Environmental
Health Sciences
National Institutes of Health
Research Triangle Park, North Carolina**

The Laboratory of Signal Transduction at the National Institute of Environmental Health Sciences, National Institutes of Health, is seeking a tenured investigator with expertise in G protein receptor signaling and trafficking. We seek an individual whose strengths in this area complement existing programs in intracellular signaling processes.

The successful candidate will establish a strong independent research program. Minimal qualifications include a doctoral degree and strong national and international reputation in membrane receptor trafficking. Women and minorities are encouraged to apply.

For additional information about this position, contact Ms. Tammy Locklear at 919-541-3317 or e-mail: locklea1@niehs.nih.gov. Interested persons should send their curriculum vitae with a statement of research interests and arrange for three letters of recommendation to be sent to the following address by August 20, 2001:

Ms. Tammy Locklear (HNV01-15)
NIEHS Human Resource Management Branch
P.O. Box 12233, Maildrop EC-11
Research Triangle Park, NC 27709
(919) 541-3317 or locklea1@niehs.nih.gov



NIEHS/NIH Is An Equal Opportunity Employer



CALL FOR POSITIONS

Telethon Scientists

The Telethon Foundation, Italy, is seeking applicants in the field of genetic diseases for 10 positions at the following career levels:

7 positions of Assistant Telethon Scientists

Candidates must have finished post-doctoral training, or equivalent, and should be able to show good scientific productivity through their publication record in peer-reviewed international journals. They are also expected to carry out an independent research program.

2 positions of Associate Telethon Scientists

Applicants must have about 5 years of independent work experience and a strong publication record. They also must have started to establish an international reputation in their field of expertise and are expected to develop a vigorous and independent research program.

1 position of Telethon Scientist

Candidates must be highly productive scientists with the potential of further scientific growth. They must have a well established international reputation for scientific excellence and be recognized leaders in their field. They must have the proven ability to initiate, stimulate and conduct innovative research and to provide scientific leadership both nationally and internationally.

Each position will be awarded a five-year renewable contract and will be supported by a substantial research grant. There are no citizenship restrictions. Prearranged and formal agreement with Italian research institutes or Universities are mandatory for these positions. Three letters of recommendation that consider both research potential and general professional achievements are needed. Further information can be obtained from: **Fondazione Telethon, Via Nino Bixio 30, 20129 Milan, Italy. Tel: +39 02 2022171, Fax: +39 02 20240688, email: telethon@telethon.it.** For more details, please visit the following web-site address: <http://www.telethon.it/>

Closing date for applications is September 10, 2001.



INTERDISCIPLINARY SUPERVISORY RESEARCH GENETICIST(PLANTS) SUPERVISORY PLANT PHYSIOLOGIST SUPERVISORY RESEARCH PLANT PATHOLOGIST

The U.S. Department of Agriculture, Agriculture Research Service, Aberdeen, Idaho, invites applications for the position of Research Leader and Location Coordinator of the Small Grains and Potato Germplasm Research Unit, GS-14/15 (\$72,969 to \$111,581 per annum, salary commensurate with experience). The Research Leader and Location Coordinator will lead a dynamic group of 9 scientists and 30 support staff at the National Small Grains Germplasm Research Facility to enhance barley, oat, and potato germplasm using traditional and molecular techniques, and will oversee the National Small Grains Collection. The Research Leader also conducts research to develop improved barley and oat cultivars. A Ph.D. or equivalent in Plant Genetics/Plant Physiology/Plant Pathology or a closely related field is desired. This is a competitive, permanent appointment and U.S. Citizenship is required.

Applications must be marked, "ARS-X1W-1435." FOR SPECIFIC APPLICATION PROCEDURES AND REQUIREMENTS, PLEASE CALL MS. KATHY BURRUP, 208-397-4162 X111 OR (e-mail: Kburrup@uidaho.edu). You may obtain a copy of the vacancy announcement from Ms. Burrup or from the ARS Home Page (<http://www.ars.usda.gov/afm/hrd/resjobs/index.html>) under announcement ARS-X1W-1435. Applications must be postmarked by September 28, 2001.

*ARS is an equal opportunity provider and employer.
Women and minorities are encouraged to apply.*

POSITIONS OPEN

VICE PRESIDENT OF SCIENTIFIC AFFAIRS Tuberous Sclerosis Alliance

The Tuberous Sclerosis Alliance, the only voluntary health organization in the United States dedicated to the genetic disorder tuberous sclerosis complex (TSC), has an exciting opportunity for a Scientist to direct the scientific program of the organization.

Responsibilities: Develop, coordinate, and evaluate all scientific activities of the organization; collaborate with researchers, advisors, and board members; serve as primary liaison with NIH, other federal agencies, and colleague organizations; facilitate data sharing; and develop outreach to engage Scientists and clinicians in basic and clinical science to identify treatments and cures for TSC.

Requirements: Ph.D. or equivalent Doctoral degree from accredited college or university in an academic field allied to health research. Seven or more years of experience planning and conducting biomedical, behavioral health, or health-related research. Experience with scientific grant review/peer review process as well as knowledge of NIH research policies and guidelines. Experience translating complex scientific information to nonscientific audiences and the general public.

Located in the Washington, D.C., area, the Tuberous Sclerosis Alliance through its research consortium, Center Without Walls, has made significant progress understanding the underlying genetic causes of TSC with immediate focus on protein interactions in genes TSC1 and TSC2. Accelerated research on potential therapies and other clinical treatments with particular emphasis on epilepsy and behavioral aspects of the disorder will require strong leadership from the incumbent. Competitive compensation and benefits provided.

To apply, please forward your curriculum vitae, statement of qualifications and interest, and salary requirements to: **Michael J. Coburn, President and CEO, Tuberous Sclerosis Alliance, 801 Roeder Road, Suite 750, Silver Spring, MD 20910.**

For more information, please view the Tuberous Sclerosis Alliance website: <http://www.tsalliance.org>.

TENURE-TRACK SCIENTIST/MEDICAL MOLECULAR ENTOMOLOGIST Section of Medical Entomology/ Laboratory of Parasitic Diseases

The section of Medical Entomology of the Laboratory of Parasitic Diseases is searching for a **SCIENTIST** with a Ph.D. or M.D. who has experience in molecular and/or cell biology and can develop an independent research program in the area of vector-host or vector-parasite interactions. Preference will be given to candidates working with *Plasmodium*/mosquito or with vector saliva/host interactions. Space, technical and Postdoctoral Fellow support, supply budget, and salary are committed. Curriculum vitae, bibliography, three letters of reference, a detailed statement of research interests, and five selected publications must be submitted by August 31, 2001, to: **Hynda K. Kleinman, c/o Lakasha Mingo, Executive Secretary, 10 Center Drive, MSC 1356, Building 10, Room 4A26, Bethesda, MD 20892-1356.** U.S. citizenship is not required. All applicants will be notified by e-mail or telephone when their application is received. Salary will be dependent upon qualifications.

National Institutes of Health is an Equal Opportunity Employer.

POSTDOCTORAL POSITION immediately available to study the cell cycle G1 regulation of cancer cells. Applicant must have a Ph.D. and/or M.D. degree. Experience with molecular and biochemical methodology is essential. Send curriculum vitae and three references to: **Dr. Lingtao Wu, Department of Pathology, MS Number 103, Children's Hospital Los Angeles/University of Southern California Keck School of Medicine, 4650 West Sunset Boulevard, Los Angeles, CA 90027. FAX: 323-671-3669; e-mail: lingtaow@usc.edu.**

POSITIONS OPEN

MARINE MICROBIAL ECOLOGIST

The University of Maryland Center for Environmental Science (UMCES) at the Chesapeake Biological Laboratory (CBL) seeks a Microbial Ecologist to fill a tenure-track position at the **ASSISTANT PROFESSOR** level. We seek candidates with a strong background in microbiology and a commitment to investigate biogeochemical and ecological processes in marine systems using molecular approaches or techniques. We seek a Scientist who will foster the growth and strength of microbial ecology within UMCES and whose research complements current faculty. Opportunities exist throughout CBL and the Center to become involved in multidisciplinary research from the watershed to oceanographic scale. The candidate is expected to establish an externally funded research program and participate in the universitywide graduate education program. A Ph.D. in microbiology, oceanography, or a related field is required and postdoctoral experience is expected. More information on marine sciences, CBL, UMCES, and our faculty can be obtained from our website: <http://cbl.umces.edu>. Candidates should submit curriculum vitae, a statement of research and teaching interests, reprints of three publications, and the names of four references to: **Chair, Microbial Ecologist Search, Chesapeake Biological Laboratory, UM-CES, P.O. Box 38, Solomons, MD 20688-0038.** Applications received by July 30, 2001, will be assured full consideration. *The University System of Maryland is an Equal Opportunity/Affirmative Action Employer. UM-CES welcomes and specifically encourages applications from minority and women colleagues.*

The G. V. (Sonny) Montgomery VA Medical Center in Jackson, Mississippi, is seeking a Board-certified **PHYSICIAN** to direct its Research and Development program. Candidates must have credentials to receive a faculty appointment at the University of Mississippi School of Medicine and have sufficient administrative, clinical, and academic experience in order to teach medical students and residents. This medical center is a 163-bed acute care medical center with a 120-bed nursing home care unit, outpatient clinics, and a research and education facility. In addition to an attractive salary, we offer paid malpractice insurance, vacation/sick leave, health/life insurance coverage, and a retirement package including a tax-deferred savings plan. Applicants must be Board-certified, proficient in spoken and written English, and subject to drug testing and a preemployment physical. Interested candidates should send or FAX curriculum vitae, references, documentation of Board certification, and a copy of an active, current, full, and unrestricted license to: **Chief of Staff (11), VA Medical Center, 1500 East Woodrow Wilson Drive, Jackson, MS 39216-5199. FAX: 601-364-1456; e-mail: kent.kirchner@med.va.gov.** Closing date: September 28, 2001. *Equal Opportunity Employer.*

VIRAL IMMUNOLOGIST. Advanced Viral Research Corporation seeks Viral Immunologist(s) to investigate mechanism of action of peptide-nucleic acid antiviral biopharmaceuticals including effects on immune system function. Candidates must be able to design and implement a research program to study role of immunomodulatory drugs in treatment of viral diseases both *in vitro* and *in vivo*. Registered Ph.D. or equivalent and more than two years of postdoctoral experience; expertise in immunology, basic and applied virology, and cell and molecular biology essential. Please submit curriculum vitae to: **Human Resources Department, Reference Number MGAD, AVRC, 200 Corporate Boulevard, South, Yonkers, NY 10701. FAX: 914-376-7368.**

Two **POSTDOCTORAL POSITIONS** are available for cloning and functional analysis of genes associated with retinal diseases. Candidates with a recent Ph.D. and a strong background in molecular and cellular biology are encouraged to apply. Send curriculum vitae and names of three references to: **Radha Ayyagari, Ph.D., Department of Ophthalmology and Visual Sciences, 1000 Wall Street, University of Michigan, Ann Arbor, MI 48105. E-mail: ayyagari@umich.edu.**

POSITIONS OPEN

SCIENTIST, CLIMATE CENTER Natural Resources Defense Council

The Natural Resources Defense Council (NRDC), a not-for-profit environmental organization, is seeking a highly qualified and motivated individual to lead a significant new effort to analyze, document, and communicate current and likely effects of global warming on the environment and public health. This position provides a unique opportunity to design and implement a strategic program to engage opinion leaders, the public, and decision makers by identifying and highlighting critical resources put at risk by global warming.

Qualifications for this position are a Ph.D. in ecology, environmental science, or a related field or a Master's degree and at least three years of relevant experience. The Scientist in this position will be part of a newly created team working on the issue of climate change. He/she will be responsible for creating and maintaining links with the academic community doing research in relevant fields. He/she will also interact regularly with government policy makers, Congress, the press, and other organizations. A successful candidate must have superior written and oral communications skills and a demonstrated ability to design and implement strategic programs. Salary is commensurate with experience.

NRDC has nearly 200 staff people in four offices in the United States. This position is located in our Washington, D.C., office. We offer competitive salaries, good benefits, and an excellent working environment. Send résumé to: **Climate Center, DF, NRDC, 1200 New York Avenue, N.W., Washington, DC 20005.** No telephone calls, please. *Women and people of color are encouraged to apply.*

STAFF ASSOCIATES

Positions for **MONITORS** in clinical trial. Responsibilities include reviewing and correcting data collection instruments for accuracy and completeness, training personnel in protocol procedures and study implementation, identifying problems in protocol implementation, and developing methods to resolve them. Monitor will be responsible for responding to error queries from the data center. Familiarity with clinical research methods and with Food and Drug Administration regulations for adverse event reporting in clinical trials. Travel required (75% of job) as well as a driver's license. Must have experience with e-mail, PC word processing, database, and spreadsheet programs. Excellent written and oral communications skills and demonstrated ability to work with a range of professional personnel required as well as the ability to prioritize multiple projects and handle confidential information. Send résumé to: **Mary Sano, Ph.D., Sergievsky Center, Columbia University, 630 West 168th Street, New York, NY 10032.** *We take Affirmative Action toward Equal Employment Opportunity.*

POSTDOCTORAL POSITION available for research at the chromatin structure/autoimmunity interface. Applicants must have expertise in medicine and molecular biology with an emphasis on lupus and be proficient in techniques including bisulfite sequencing, patch methylation, and reporter construct design. Please send curriculum vitae and the names of three references to: **Bruce Richardson, M.D., Ph.D., 5310 Cancer Center and Geriatrics Center Building, Ann Arbor, MI 48109-0940.**

The Division of Infectious Diseases seeks an experienced **LABORATORY AND ANIMAL SUPERVISOR** to manage animal care technicians and monitor compliance with all regulatory and safety procedures. Candidates should have a strong background in biomedical research with at least two years of supervisory experience and strong interpersonal skills. Preference given to candidates with animal experience and interest in research. Send or e-mail résumé to: **Dr. Donna Akiyoshi, Tufts University, 200 Westboro Road, Building 20, Grafton, MA 01536. E-mail: donna.akiyoshi@tufts.edu.** *Tufts University is an Affirmative Action/Equal Opportunity Employer.*

Science @

CAREERS

career advice
e-mail job alerts
graduate programs
job postings

www.sciencecareers.org

POSITIONS OPEN

CELLULAR/MOLECULAR TOXICOLOGIST University of Mississippi Medical Center Department of Pharmacology and Toxicology

The Department of Pharmacology and Toxicology immediately invites applications for a **TENURE-TRACK POSITION** that is available. Rank of entry will be commensurate with the qualifications of the applicant. Candidates will be expected to develop a strong, extramurally fundable research program in the general area of toxicology. The research would have an emphasis on cellular and/or molecular biological mechanisms of action of xenobiotics complementary to current research in the Department. The candidate also will participate in the teaching of graduate, medical, and dental students.

The minimum qualifications for applicants are a Ph.D. or equivalent in toxicology, pharmacology, biochemistry, or a related field and one to two years of postdoctoral experience. Applicants should submit curriculum vitae and a description of future research plans and teaching interests by November 1, 2001, to:

Chairman, Faculty Search Committee
Department of Pharmacology and Toxicology
University of Mississippi Medical Center
2500 North State Street
Jackson, MS 39216-4505

In addition, the applicant should request that three letters of recommendation be sent directly to the above address. *Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.*

POSTDOCTORAL POSITION to develop antibody-mediated therapy of cancer. Abs are conjugated with either radioisotopes for cytotoxic therapy or with peptides for tumor vaccines. Experience in molecular biology is required to transfect rodent cells with cell surface antigens. Work in suburban northern New Jersey, 30 minutes from New York City. Send curriculum vitae and the names of two to three references to: **Dr. M. Jules Mattes, Center for Molecular Medicine and Immunology, 520 Belleville Avenue, Belleville, NJ 07109. E-mail: mjmattes.gscancer@worldnet.att.net.**

ENGINEERING

Join our team developing leading-edge life science technologies. We have openings for multiple levels of Software Engineers, Mechanical Engineers, Senior Research Associates, Research Associates, Scientists, Scientific Directors, Electrical Engineers, Director of Microarray, and more. Résumés to: **Molecular Dynamics-APBiotech, Professional Staffing, 928 East Arques Avenue, Sunnyvale, CA 94085-4520. FAX: 408-773-8343; e-mail: jobs.mdyn@am.apbiotech.com. Equal Opportunity Employer.**

POSTDOCTORAL POSITION Antiviral/Viral Pathogenesis Research

A position is available to study potential antivirals against human orthopoxviruses in small animal models and the genetic basis for orthopoxvirus pathogenesis. The successful candidate will have a Ph.D. or D.V.M. degree. Although candidates with experience in viral pathogenesis will be given preference, individuals with a strong background in molecular virology and/or immunology will also be considered. The Department has an active basic research program in molecular virology, viral pathogenesis, and vaccine development. Transitional research is also carried out with the Vaccine Center, one of 15 Centers funded by the NIAID for vaccine evaluation in clinical trials.

Applicants should send their curriculum vitae and names of three references to: **R. Mark Buller, Ph.D., Department of Molecular Microbiology and Immunology, Saint Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis, MO 63104. E-mail: Bullerrm@slu.edu; FAX: 314-773-3403**

Saint Louis University is a Catholic Jesuit institution dedicated to education, research, and health care. *Saint Louis University is an Affirmative Action/Equal Opportunity Employer and encourages nominations and applications of women and minorities.*

POSITIONS OPEN

CALTECH POSTDOCTORAL SCHOLARS PROGRAM JET PROPULSION LABORATORY

The California Institute of Technology (Caltech) Postdoctoral Scholars Program at the Jet Propulsion Laboratory (JPL) is inviting applicants to apply for a **POSTDOCTORAL POSITION** in the Planetary Protection Technologies Group. The successful candidate will participate in a task called "Charting a Path for the Evolution of Planetary Protection." This task is being undertaken to gain a deeper understanding of how planetary protection policy, standards, and practice will evolve in the era of advanced robotic exploration and into an era of human exploration. As humans and their agents venture beyond low Earth orbit (LEO) to other celestial bodies, there will be a need for new scientific, technological, engineering, and policy approaches to planetary protection. As a basis for looking to the future, it is necessary to understand the current status of planetary protection, explore the issues associated with the next phase of exploration, and make recommendations for future study and action. This task will identify key issues related to planetary protection involving advanced robotic exploration and human missions and propose strategies for incorporating these issues into future planetary protection plans and capabilities.

Planetary protection as it is known and practiced today is a cross-disciplinary activity with a long history and a well-defined focus. But to plan for the evolution of planetary protection into an era of human exploration, this task will need to produce a list of issues not currently considered in planetary protection standards, a list of human mission-related planetary protection issues, and recommendations for future national studies and research initiatives.

For this position, the ability to work independently as well as in a team is expected. Candidates should have a recent Ph.D., prior education or experience in science policy, have excellent oral and written communication skills, and be available for some travel. Preference will be given to candidates with a degree in life sciences or planetary science. The appointment term is initially one year and may be renewed in one-year increments for a maximum of two additional years. There may be an option of a second year in Washington, D.C., working with the NASA Planetary Protection Officer and others on policy development. The annual starting salary for a recent Doctorate is \$45,000 and can vary somewhat depending on the applicant's qualifications.

Please send curriculum vitae; bibliography; reprints of recent journal articles; and the names, addresses, telephone numbers, and e-mail addresses of three references to: **Dr. Jack Barengoltz, Jet Propulsion Laboratory, California Institute of Technology, M/S 125-224, 4800 Oak Grove Drive, Pasadena, CA 91109 or forward information by e-mail: jack.barengoltz@jpl.nasa.gov. Caltech and JPL are Equal Opportunity/Affirmative Action Employers. Women, minorities, veterans, and disabled persons are encouraged to apply.**

SENIOR SCIENTIST RECEPTOR BIOLOGY

This position will establish and lead a receptor biology group to support a growing, genomics-based secreted proteins program for drug discovery in metabolic disorders. Experience in receptor cloning and identification is required. Familiarity with multiple receptor cloning approaches is a plus. The successful candidate will have strong management skills and more than eight years of postdoctorate experience with at least six years in the industry. Salary commensurate with experience. Interested applicants should submit their résumé and three letters of reference to: **The Genset Corporation, Sheila Reed, Human Resources Manager, 10665 Sorrento Valley Road, San Diego, CA 92121. E-mail: sheila.reed@gensy.com. Genset is a genomics company located in San Diego, California, focused on the science of medicine through the research and development of a pipeline of drug candidates for the treatment of metabolic and central nervous system disorders.**

POSITIONS OPEN

POSTDOCTORAL SCIENTIST Columbia University Viral Gene Expression

A Postdoctoral position is immediately available to study KSHV and host cell gene expression related to cell transformation and virus latency using microarray and SAGE technologies. Applicants must have experience and excellent skills in basic molecular biology. Starting salary is \$38,000 per annum and housing through Columbia is available. Please send curriculum vitae, transcripts, and three letters of recommendation by mail or FAX (not e-mail): **Dr. Yuan Chang, Department of Pathology, Physicians and Surgeons 14-442, Columbia University, 630 West 168th Street, New York, NY 10032. Website: http://pathology.cpmc.columbia.edu/C&M/CM_LAB.html.**

POSTDOCTORAL RESEARCH POSITIONS. Three Postdoctoral positions working in the following areas are available: (1) combinatorial biosynthesis using the pikomycin polyketide synthase; (2) structure, mechanism, and inhibition studies of the fatty acid biosynthetic initiation enzyme 3-ketoacyl ACP synthase III; and (3) function and mechanism studies of unusual streptomycete coenzyme B12-dependent mutases. Flexible start dates. Applicants should send curriculum vitae and names and addresses of three references to: **Professor Kevin A. Reynolds, ISBDD, Suite 212B, Biotechnology Park, 800 East Leigh Street, Virginia Commonwealth University, Richmond, VA 23219 U.S.A. E-mail: kareynol@hsc.vcu.edu.**

POSTDOCTORAL FELLOW Spatial Ecology and Conservation Northern Arizona University

Conducts landscape analyses in support of ecosystem planning and forest restoration. Works collaboratively with interdisciplinary team on geographic analyses and scenario modeling. Requires Ph.D. in ecology or related field, expertise in fire and/or wildlife modeling, and spatial statistics. Two years with benefits; \$32,000 to \$35,000; DOE. **SPATIAL ANALYST POSITION** also available. Send curriculum vitae and names of three references to: **T. Sisk, P.O. Box 5694, Northern Arizona University, Flagstaff, AZ 86011-5694. Website: <http://www.envsci.nau.edu/sisklab>.**

POSTDOCTORAL POSITION available immediately. Seeking a Postdoctoral Fellow to join a dynamic research team engaged in studying the signal transduction pathways on the differential regulation of sphingosine-1 phosphate- and VEGF-induced responses of pulmonary vascular endothelial cells using microarray or SAGE. Experience in cell biology and molecular biology methodologies is highly desirable. Send résumé to: **Dr. Shui Qing Ye, Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, JHAAC, 4B.77, 5501 Hopkins Bayview Circle, Baltimore, MD 21224 U.S.A. E-mail: syq@jhmi.edu.**

POSTDOCTORAL FELLOW wanted for two-to-three-year grant-funded position. Research will be focused on the role of nitric oxide and eicosanoids in lupus nephritis. Applicants must be familiar with basic molecular and protein techniques, be relatively self-sufficient, be competent in handling and administering medications to rodents, and have interest in mass spectrometry and GC mass spectrometry techniques. Send curriculum vitae and references to: **Jim Oates, M.D., Department of Medicine, Medical University of South Carolina, 96 Jonathan Lucas Street, P.O. Box 250623, Charleston, SC 29425. E-mail: oatesjc@muscc.edu.**

POSTDOCTORAL POSITION to study maltose-stimulated pseudohyphal differentiation in *Saccharomyces* using genomic approaches. NIH supported. Ph.D. and experience in molecular genetic analysis, preferably in yeast, are required. Send résumé to: **Dr. Corinne Michels, Biology Department, Queens College, CUNY, Flushing, NY 11367. E-mail: corinne_michels@qc.edu.**

The Science Meetings & Announcements Database

HELP TO ADVERTISE FEEDBACK
Meetings and Announcements

Employer Links | Career Fairs | Resumes | Advice |
To list your name in Science & please contact

● Search the **NEW** Meetings & Announcements Database

● 2001 European Events Calendar

Getting the word out to scientists about your event

A comprehensive listing of events, grants announcements, courses & training, and more... in print and online.

When you run your ad in *Science*, it is automatically posted in the Meetings & Announcements database at **Sciencemeetings.org**. This online posting receives a free hyperlink from any e-mail or web address. The Meetings & Announcements page is searchable by keyword, discipline, geographic region, or category/subject. It doesn't get any easier.

Is your event listed?

In the U.S. call Kathleen Clark at 202 326-6555

In Europe ring Richard Walters on +44 (0) 1223 326 500

Science
www.sciencemeetings.org

EXERCISE BIOLOGIST

THE DIVISION OF BIOLOGICAL SCIENCES, UNIVERSITY OF CALIFORNIA, DAVIS, invites applications and nominations for a position in exercise biology. This is a tenure-track faculty position at the level of ASSOCIATE PROFESSOR or PROFESSOR, as appropriate to the candidate's qualifications. The position will be in the Exercise Biology Program with a joint appointment in the Section of Neurobiology, Physiology & Behavior. A Ph.D. (or equivalent) and postdoctoral experience is required. The candidate must have an outstanding record of research achievement and a strong independent research program in exercise biology. Particular attention will be afforded candidates who have an integrative perspective and employ mechanistic approaches to address important issues in exercise biology, such as skeletal muscle physiology/development, muscle adaptation to exercise or aging. The successful candidate will be expected to teach undergraduate and graduate level courses in exercise biology/exercise science and participate fully in the teaching and advising programs coordinated by the Divisions of Biological Sciences and Graduate Studies. A senior appointee would also be expected to take a leadership role within the Exercise Biology Program.

Applications should include: (1) curriculum vitae (with e-mail address), (2) statement of current and proposed research interests, (3) three relevant reprints, (4) statement of teaching experience/interests, and (5) names, telephone numbers, and addresses (postal and e-mail) of at least three references. Candidates should also arrange to have their reference letters mailed directly to the Committee Chair. All materials should be sent to: Charles A. Fuller, Chair, Exercise Biology Search Committee, Exercise Biology Program, University of California, One Shields Avenue, Davis, CA 95616-8674. Closing date: open until filled, but all materials must be received by September 28, 2001 to be assured of full consideration.

The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences.

SYMPOSIA

Lilly Research Laboratories
Biology Academic Contacts Committee (BACC)
2001 Annual Symposium

"Proteomics"

Wednesday, October 3, 2001
Lilly Corporate Center, Indianapolis, Indiana

Gerald Becker, Eli Lilly & Co

An Introduction to Proteomics

Fred Regnier, Purdue University

Quantitative Proteomics in the Search for Biomarkers

Terry Ryan, Celera Inc.

Proteomics @ Celera: Industrializing the Target Discovery Process

Wayne Hendrickson, Columbia University

Crystallography with Speed and Finesse

Matthias Mann, MDS Proteomics Inc.

Mapping Macromolecular Assemblies by Mass Spectrometry

Michael Synder, Yale University

Large Scale Analysis of the Yeast Genome and Proteome: A Tale of Two Chips

James Garrels, Proteome Inc.

Using Curated Protein Knowledge to Guide and Interpret Proteomic Studies

Registration deadline: Sept. 15th, 2001; space is limited
For information and registration, contact: Lilly BACC
E-mail: Patel_Bharvin@lilly.com

Lilly

Answers That Matter.

POSITIONS OPEN

We are looking for an energetic, innovative, and competent Ph.D. Chemist as **POSTDOCTORAL FELLOW** or **RESEARCH ASSOCIATE**. This individual will participate in ongoing research projects into novel applications of DNAs, PNAs, and other oligomers as potential radiopharmaceuticals; the development of oligomer-antibody conjugates; novel chelators for radio-labeling proteins, peptides, and oligomers; pretargeted tumor imaging with technetium 99m-labeled oligomer and antibody-oligomer conjugate, etc. Candidates should have several years of postdoctoral experience and must be familiar with technetium 99m chemistry; must be able to demonstrate a track record in radiopharmaceutical development. Knowledge and experience in renal excretion investigation is helpful. The position is well funded by several U.S.A. federal one- to three-year grants and several open-ended grants from industry. Salary will be commensurate with experience and is competitive with NIH guidelines. Please contact:

D. J. Hnatowich, Ph.D., Professor
Division of Nuclear Medicine
Department of Radiology
University of Massachusetts Medical School
Worcester, MA 01655 U.S.A.
Telephone: 508-856-4256
FAX: 508-856-4572
E-mail: donald.hnatowich@umassmed.edu

POSTDOCTORAL POSITION University of Alabama at Birmingham

Position available to study the molecular mechanisms of prostate cancer initiation and progression using transgenic and knockout mouse models (*Nature Medicine* 7:101-107, 2001). Techniques involved include PCR, gene cloning, Western and Northern blotting, high-density DNA microarray analysis, *in situ* hybridization, and immunohistochemistry. The candidate should have a Ph.D., M.D., or equivalent degree, preferably with experience in cellular and molecular biology of gene regulation. Please send curriculum vitae and names of three references to: **Dr. Sarki Abdulkadir, Department of Pathology, The University of Alabama at Birmingham, 701 19th Street South, 533 LHRB, Birmingham, AL 35294 U.S.A. FAX: 201-975-9927; e-mail: sabdulk@path.uab.edu.** The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.

POSTDOCTORAL POSITION available immediately to study signal transduction underlying synaptic rearrangements, regulation of transmitter release, and receptor plasticity in auditory brain stem nuclei following cochlear lesions and hearing loss. An earned Ph.D. degree in biochemistry/neuroscience/pharmacology is required; experience with cell signaling pathways is preferred. Techniques may include brain microdissection, transmitter release, receptor binding, tissue fractionation and lysis, Western blotting, and immunohistochemistry. Send curriculum vitae, statement of research experience, statement of research interests, and two letters of recommendation to: **Dr. Steven J. Potashner, Department of Neuroscience, University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030 U.S.A. FAX: 860-679-8766; e-mail: sjp@neuron.uchc.edu.**

POSTDOCTORAL FELLOW/ RESEARCH ASSOCIATE

To join group studying malignant transformation of the prostate and signal transduction by the proapoptotic agent TRAIL. Experience in molecular and cellular biology including basic protein chemistry is expected. Proteomics and transgenic technologies are available. Excellent salary commensurate with experience. Send résumé and names of three references to: **Andrew S. Kraft, M.D., Chief, University of Colorado Health Sciences Center Division of Medical Oncology, 4200 East Ninth Avenue, B171, Denver, CO 80262. E-mail: siobhan.houston@uchsc.edu.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH POSITIONS DEPARTMENT OF MEDICINE

Johns Hopkins University School of Medicine
POSTDOCTORAL POSITIONS are available immediately to examine the molecular basis of vascular inflammation. Current interests in our laboratory include mechanisms of endothelial cell inflammation and the regulation of nitric oxide synthases. Please see *PNAS* 95:2469, 1998; *Immunity* 10:21, 1999; *J. Biol. Chem.* 275:26423, 2000.

Candidates should have a strong background in molecular biology. *Candidates must be U.S. citizens or permanent residents.* Please send your curriculum vitae and the names and e-mail addresses of three references to:

Charles J. Lowenstein, M.D.
Departments of Medicine and Pathology
Johns Hopkins University School of Medicine
950 Ross Building
720 Rutland Avenue
Baltimore, MD 21205
E-mail: clowenst@jhmi.edu

POSTDOCTORAL RESEARCH ASSOCIATE

A Postdoctoral Research Associate position is available immediately with the Maize Mapping Project, an NSF-funded plant genome project ([website: http://www.cafnr.missouri.edu/mmp/](http://www.cafnr.missouri.edu/mmp/)) at the University of Missouri, Columbia. The position involves conducting a high throughput SNP development and mapping project for maize with the aim of integrating the genetic and physical maps. Experience in molecular biology and computer-assisted analysis of molecular data is required. Candidate must be able to work well in a team environment and experience with high-throughput projects is desirable. *International applicants must have current U.S. work visa.* Please send curriculum vitae and the names of three references to: **Lynn Smith, 215 Curtis Hall, University of Missouri, Columbia, MO 65211. The University of Missouri is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH FELLOW/ASSOCIATE POSITION is available in the Laboratory of Jian-Jian Li, Ph.D., at the Beckman Research Institute of the City of Hope. Seeking a highly motivated candidate to develop signal transduction research on tumor response to ionizing radiation. Candidates should have a Ph.D./M.D. degree and have a strong background in molecular biology. Salary commensurate with experience. Send a cover letter, curriculum vitae, and contact information to: **Ileana Abich, Needleman Building, Room 214, 1500 East Duarte Road, Duarte, CA 91010-3000, City of Hope National Medical Center. FAX: 626-930-5300; e-mail: iabich@coh.org. Equal Opportunity Employer.**

ADVANCED POSTDOCTORAL FELLOWSHIP. Laboratory of Stephen B. Liggett is seeking a Fellow with potential for subsequent faculty position at the University of Cincinnati College of Medicine. Research expertise in G protein-coupled receptor biology, pharmacogenetics, or transgenic mice preferable. Send résumé to: **Stephen B. Liggett, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Room G167, P.O. Box 670564, Cincinnati, OH 45267-0564. Telephone: 513-558-0484; FAX: 513-558-0835; e-mail: stephen.liggett@uc.edu. The University of Cincinnati is an Equal Opportunity Employer and encourages the application of women and minorities.**

POSTDOCTORAL POSITION Department of Neurobiology La Jolla, California

A **POSTDOCTORAL POSITION** is available to study cis-acting sequences that affect or control translation in eukaryotic mRNAs with particular emphasis on how these sequences may affect the translation neuronal mRNAs. Please submit your curriculum vitae to: **Vincent P. Mauro, The Scripps Research Institute; e-mail: vmauro@scripps.edu; website: <http://www.scripps.edu>. Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH FELLOWSHIP POSITIONS

**The Pulmonary-Critical Care Medicine Branch
(P-CCMB), NHLBI**

Postdoctoral Research Fellowship positions are available for individuals interested in cell and molecular biology as well as bench-to-bedside translational research. Basic research opportunities for Postdoctoral Fellowships exist within intramural P-CCMB laboratories investigating signal transduction, nitric oxide, G proteins, vesicular trafficking, cyclic nucleotide phosphodiesterases, and cytokine receptor shedding. Translational research opportunities also exist regarding genetic approaches to lung disorders including lymphangioleiomyomatosis, pulmonary fibrosis, cystic fibrosis, sarcoidosis, and asthma. Positions are available for a minimum of two years and may be extended for additional training. Candidates should possess a Ph.D. or M.D. degree or equivalent. Positions are available immediately. Interested individuals should submit a letter of interest, curriculum vitae, and three letters of recommendation to: **Joel Moss, M.D., Ph.D., Chief, Pulmonary-Critical Care Medicine Branch, NHLBI, NIH, Building 10, Room 6D03, MSC 1590, Bethesda, MD 20892-1590. Inquiries can be directed via e-mail: mossj@nhlbi.nih.gov. NIH is an Equal Employment Opportunity Employer.**

POSTDOCTORAL POSITIONS available for individuals with expertise in cardiac physiology, metabolism, and biochemistry. Experience in heart perfusion techniques an advantage. Individuals with an interest in computational methods for the analysis of biological processes are also encouraged to apply. Studies will be focused on the role of altered energy transduction in the development of chronic cardiac disease. Current projects include the impact of diabetes on cardiac metabolism and function in rats and the consequences of decreased GLUT4 expression on the regulation of glucose metabolism in the mouse heart. Send curriculum vitae and three letters of reference to: **Dr. John C. Chatham, The University of Alabama at Birmingham, The Center for NMR Research and Development, Division of Cardiovascular Disease, CNIR Building, 828 Eighth Court South, Birmingham, AL 35294-4470 U.S.A. E-mail: jchatham@uab.edu. University of Alabama at Birmingham is an Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS PROTEIN ENGINEERING Triad Therapeutics, San Diego

Triad Therapeutics has two Postdoctoral positions immediately available in our protein engineering group. The candidate should have a Ph.D. in biochemistry or a related field and zero to two years of postdoctoral experience. Expertise in modern methods of protein expression is required. Expression of protein kinases and/or using yeast expression systems is a plus. Strong interpersonal and communication skills (written and verbal) are required. Applicants should forward their curriculum vitae and the names of three references either to **e-mail: rjack@triadt.com or by mail to: Biology Jobs, Triad Therapeutics, 5820 Nancy Ridge Drive, San Diego, CA 92121. FAX: 858-457-7893, attention Biology Jobs. Please visit website: <http://www.triadttherapeutics.com> for more details and other available positions.**

POSTDOCTORAL POSITION

The Beckman Research Institute of the City of Hope has an opening in the Laboratory of **Gerd P. Pfeifer, Ph.D.** The candidate will work in fields of cancer biology and DNA methylation in mammalian cells. See *Cancer Res.* 61:3105; *Nature Genet.* 25:315. Please send a cover letter, curriculum vitae, and names of three references to: **Ileana Abich, Needleman Building, Room 214, 1500 East Duarte Road, Duarte, CA 91010-3000, City of Hope National Medical Center. FAX: 626-930-5300; e-mail: iabich@coh.org. Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE POSITION Microbial Functional Genomics Oak Ridge National Laboratory

Four Postdoctoral Research Associate positions are available in the Environmental Sciences Division (website: <http://www.esd.ornl.gov>), Oak Ridge National Laboratory (website: <http://www.ornl.gov>) in the area of microbial functional genomics. Projects include (1) genomewide transposon mutagenesis and phage display for the sequenced bacterium *Shewanella oneidensis* MR-1; and (2) whole genome microarray analysis and targeted mutagenesis for *Rhodospseudomonas palustris*, *Deinococcus radiodurans*, and *Nitrosomonas europaea*. Applicants should have a Ph.D. in molecular biology, microbiology, or biochemistry with demonstrated experience in using molecular techniques. Additional experience is desired in bioinformatics and microarray technology. The individual will work cooperatively with Scientists at Oak Ridge National Laboratory, Michigan State University, Pacific Northwest National Laboratory, the University of Iowa, Baylor College of Medicine, and Institute of System Biology.

Send curriculum vitae, a description of research accomplishments and interests, and the names and telephone numbers of three references to: **Dr. Jizhong Zhou**, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6038. Telephone: 423-576-7544; FAX: 423-576-8646; e-mail: zhouj@ornl.gov; website: <http://www.esd.ornl.gov/people/zhzhou/zhzhou.html>.

This appointment will be offered through the ORNL Postdoctoral Research Associates Program (website: <http://www.ornl.gov/orise/edu/postgrad/ornlpostdoc.htm>). The salary will be very competitive. The program is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.

POSTDOCTORAL POSITION available on NIH-funded project to investigate the role of transforming growth factor- β in the molecular pathogenesis of cardiovascular diseases. Experimental systems include viral vector-mediated gene transfer in blood vessels of adult animals and generation of transgenic mice with germ line targeting of transgenes to the artery wall. Experience with molecular biology and mouse genetics desirable. Interest in vascular biology and molecular medicine essential. Outstanding institutional research environment. Position available immediately. Please send a summary of research experience, curriculum vitae, and the names of three references to: **Dr. David A. Dichek**, Department of Medicine, University of Washington, 1959 N. E. Pacific Street, Box 357710, Seattle, WA 98195-7710. E-mail: ddichek@u.washington.edu. The University of Washington is building a culturally diverse environment and strongly encourages applications from female and minority candidates. The University of Washington is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL OR RESEARCH ASSISTANT POSITIONS

Cellular, Molecular, and Electrophysiological Analysis of Synaptic Transmission

Positions are available to investigate the cellular and molecular mechanisms underlying synaptic function. Detailed genetic, molecular, biochemical, ultrastructural, and electrophysiological analysis is performed in the genetic model system, *Drosophila*. This model provides unique and powerful advantages for analysis of conserved synaptic mechanisms studied in classical vertebrate, arthropod, and mollusk systems. For more information, see website: <http://www.bio.psu.edu/people/faculty/ordway>. Candidates with expertise in electrophysiology are encouraged to apply. Please send curriculum vitae and three letters of recommendation to: **Richard W. Ordway**, Ph.D., 208 Mueller Laboratory, Penn State University, University Park, PA 16802. Penn State is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL RESEARCH POSITION AVAILABLE National Institute of Allergy and Infectious Diseases (NIAID)

The Laboratory of Molecular Microbiology seeks a post-Postdoctoral Fellow (M.D./D.V.M. and/or Ph.D.) with a background in molecular virology who has a particular interest in AIDS pathogenesis or vaccine development. Our laboratory uses simian immunodeficiency virus (SIV) infection of monkeys as a model for human AIDS for the development of vaccines and the study of AIDS pathogenesis. The focus of our pathogenesis studies is the delineation of host and viral factors responsible for the lack of disease observed in naturally infected African primates using the African green monkey as a model. The applicant should have expertise in molecular virology, cell biology, or pathology. The position is available immediately for a duration of two to five years. Starting salary is dependent on qualifications. Applicants are requested to submit curriculum vitae and three letters of reference to: **Dr. Vanessa Hirsch**, Laboratory of Molecular Microbiology, NIAID Twinbrook II Facility, 12441 Parklawn Drive, Rockville, MD 20852 U.S.A. Telephone: 301-496-2976; e-mail: vhirsch@niaid.nih.gov. NIH is an Equal Opportunity Employer.

LANDSCAPE ECOLOGY OR OPERATIONS RESEARCH Integrated Fire and Forest Management

The Faculty of Forestry at the University of Toronto is accepting applications for a **POSTDOCTORAL RESEARCHER** to join an interdisciplinary team researching integrated fire and forest management in the Boreal Forest region of Canada. We seek candidates who have a strong background in either landscape ecology with an emphasis on mathematical modeling of large forest landscape ecological processes or operations research with an emphasis on spatial forest management. Successful candidates can be appointed for a term beginning the fall of 2001 and ending March 31, 2003. Send a letter of application, curriculum vitae, and names and contact information for three references to: **Professor David Martell** or **Professor Jay Malcolm**; e-mail: martell@smokey.forestry.utoronto.ca.

POSTDOCTORAL FELLOWSHIP NEUROSCIENCE

Position available in two collaborating, competitively funded laboratories studying the reelin signaling pathway and schizophrenia using postmortem tissue with parallel studies in animals and tissue culture. Experience with *in situ* hybridization and autoradiography preferred. The candidate must have excellent oral and written communication skills. Ph.D. or M.D. required. Fellow could participate in seminars at the Maryland Psychiatric Research Center. Résumés plus names and addresses of three professional references to: **Brian Kirkpatrick**, M.D., MPRC, P.O. Box 21247, Baltimore, MD 21228. E-mail: mpcrpostdoc@aol.com. Equal Opportunity Employer/Affirmative Action/Americans With Disabilities Act. Minorities and women are encouraged to apply.

FELLOWSHIPS

RESEARCH FELLOWSHIP HERPES PATHOGENESIS

A Fellowship position is available immediately. The research focuses on pathogenesis, chemotherapy, and molecular biology of herpes infections. The position is funded by NIH grants. A Ph.D. with experience in molecular biology is required; the technology to be used includes microarray analysis and laser capture microdissection. Send curriculum vitae and references to: **Dr. James M. Hill**, Louisiana State University Health Sciences Center, 2020 Gravier Street, Suite B, New Orleans, LA 70112-2234. Telephone: 504-412-1328; FAX: 504-412-1315; e-mail: jhill@lsuhsc.edu; website: <http://www.lsu-eye.lsuhs.edu/drhill.html>. LSUHSC is an Equal Employment Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION

Department of Pathology and Immunology Washington University School of Medicine

Applications are being accepted for a **POSTDOCTORAL POSITION** to study diabetes and obesity. The trainee will be offered opportunities in the following areas related to pancreatic β -cells: insulin secretion, lipoprotein lipase and fatty acid transporters, lipid associated proteins, and mitochondrial uncoupling proteins. Salary on NIH scale. Curriculum vitae and three letters of recommendations are required. For information, please contact: **Dr. Michael L. McDaniel**, Box 8118, Washington University School of Medicine, Department of Pathology and Immunology, St. Louis, MO 63110. Telephone: 314-362-7435; FAX: 314-362-4096; e-mail: mcdaniel@pathology.wustl.edu. Affirmative Action/Equal Opportunity Employer.

FELLOWSHIPS

PARKER B. FRANCIS FELLOWSHIPS in pulmonary research. PBF Fellowships encourage Fellows committed to a career in pulmonary research and help them transition from Postdoctoral trainee to independent Investigator. Awards are \$120,000 over a three-year period and are open to U.S. or Canadian citizens and permanent residents. Fellows must be sponsored by an established mentor at a university or not-for-profit research institution. Approximately 18 awards will be made in February 2002. Applications are due on October 15, 2001. For information or applications, see our website: <http://www.hsph.harvard.edu/pbf> or contact: **Gail Weidner**, Administrator; Telephone: 617-432-4099; e-mail: gweidner@hsph.harvard.edu.

Funded by the Francis Families Foundation of Kansas City, Missouri.

MARKETPLACE

The World of Science Online

- Science Electronic Marketplace
- Science's Next Wave
- Science NOW
- Science Careers

Science

www.scienceonline.org

CUSTOM MICROARRAYS

RELIABLE FAST ACCURATE

MICROARRAYS, INC.
(615) 327-5495
www.microarrays.com



Circle No. 18 on Readers' Service Card

CUSTOM OLIGOS

55¢ per base*

50 nm scale of synthesis

- Wide range of purifications, custom modifications, FRET probes
- Large scale synthesis available

800-788-4362

on-line: dna@keydna.com

biosource.com

Circle No. 20 on Readers' Service Card

MARKETPLACE



**MORE PRODUCTS
ON PREVIOUS PAGE**

**your Single-Source
Antibody Authority**

**STRATEGIC
BIOSOLUTIONS**

Custom Antibody Services

- Polyclonal • Monoclonal
- Hybridoma Development • Assays Production
- In vitro Production • Purification • Conjugation

800.481.9737
www.strategicbiosolutions.com

Circle No. 19 on Readers' Service Card

Customized Project Support

CBI is your source for complete R&D project support, including all peptide, protein, DNA and molecular biological technologies. For a free consultation or a quote, call 1-800-735-9224 or email info@cbi-biotech.com.

**COMMONWEALTH
BIOTECHNOLOGIES, INC.**
From Concept to Clinic

601 Biotech Drive • Richmond, VA 23235
1-800-735-9224 • www.cbi-biotech.com

Circle No. 81 on Readers' Service Card

**Widely
Recognized
Original &
Guaranteed**

KlenTaq1

8¢/u
Truncated
Taq DNA
Polymerase
Withstand 99°C

US Pat # 5,436,149
Call: **Ab Peptides** 1-800-383-3362
Fax: 314-968-8988 www.abpeps.com

Circle No. 72 on Readers' Service Card

Custom BAC Library Construction

BAC End Sequencing
Inexpensive DNA Sequencing
Custom cDNA Libraries
DNA Subcloning
Protein Expression

Amplicon Express
Toll Free 1-877-332-8080
Phone 1-509-332-8080
www.genomex.com
koford@genomex.com

Circle No. 17 on Readers' Service Card

Premier SameDay Oligo Service

The best oligos travel quickly!

Order via the web by 12:00PM CST today and your oligos will be in your hands tomorrow morning.

25 nmole scale 15-30 bases unmodified

IDT www.idtdna.com
1-800-328-2661

Circle No. 80 on Readers' Service Card

MARKETPLACE

Custom Peptides & Antibodies

Best Service & Price! Compare and Save!
Alpha Diagnostic (800) 786-5777
Fax (210) 561-9544; info@4adi.com
Web site: <http://www.4adi.com>

Circle No. 73 on Readers' Service Card

QUALITY DNA SYNTHESIS

MALDI-TOF Mass Spectrometry Quality Control

Fluorescent Dyes & Other Modifications
Gene Construction & Sequencing Services
Custom RNA Oligos & Antisense DNA Oligos
Custom Primers for PCR & Sequencing
Long Oligos (up to 150-mers)
Competitive Pricing

MIDLAND

The Midland Certified Reagent Company
1-800-247-8766 • FAX: 1-800-359-5789
www.mcrc.com • email: mcrc@oligos.com

Circle No. 76 on Readers' Service Card



NEW LOW PRICE

Just \$0.45/base*

Order through our Web site and we'll ship your 3 O.D. Select oligos in just 24-48 hours. Every oligo is QC'd by PAGE analysis, and each batch is performance-tested by mass spec.

*Desalted only. Oligos must be 10 to 35 bases in length. No modifications or additional purification. Web orders only. Offer valid in U.S. only.

**SIGMA
GENOSYS**

North America: 1-877-710-1504 • email: gordentry@sigal.com

Circle No. 77 on Readers' Service Card

DNA (plasmid, PCR, BAC, genome, genotyping)

SEQUENCING ^{special} **\$15/RUN**
Overnight, High Quality

800-214-7722, CustomerService@ElimBiopharm.com

Circle No. 82 on Readers' Service Card

MERLIN® Custom Services

Q **Plasmid Purification**

Starting at \$59/1 mg*
Endotoxin Removal, Cloning,
Research or cGMP Grade
*minimum of 5 mgs

Q-BIOgene
1-800-4-PLASMID • www.qbiogene.com

Circle No. 74 on Readers' Service Card

MARKETPLACE

BIO•SYNTHESIS, INC.

PEPTIDES, OLIGOS ANTIBODIES

800-227-0627 www.biosyn.com

Circle No. 75 on Readers' Service Card

Quality Peptides & Antisera

Friendly, Personal Service
www.genosys.com

Custom Peptide Synthesis

- sequence analysis
- IG, >70%, >80%, >95% purity
- scales from 2 mg-1 g
- synthesis up to 120 residues
- variety of modifications available
- mass spec & HPLC on every peptide
- satisfaction guaranteed

Polyclonal Antisera Service

- antigen design assistance
- synthesis, conjugation and sera collection
- flexible protocol

**SIGMA
GENOSYS**

North America
1-877-710-1502
ginformation@sigal.com

Europe
(+44) (0) 1223 839000
info@sigma-genosys.co.uk

Circle No. 78 on Readers' Service Card

DNA	PEPTIDES
Free Set-up and Desalting	Call and Compare
Gene Synthesis, Site Mutagenesis, Protein Expression and more	
COMPARE AND SAVE	
DNA Sequencing: as low as \$15 per run	
Custom Anti-peptide Antibody (including peptide synthesis) \$850	
GENEMED SYNTHESIS 800.344.5337 Fax: 650.952.9540 Web Site: www.genemedsyn.com	

Circle No. 71 on Readers' Service Card

Antibodies That Work!
Great Zymed Performance:

nINOS
Including Antibodies To...

ZYMED LABORATORIES INC. www.zymed.com
South San Francisco, California, U.S.A. 1-650-871-4494

Circle No. 92 on Readers' Service Card

Custom DNA Synthesis

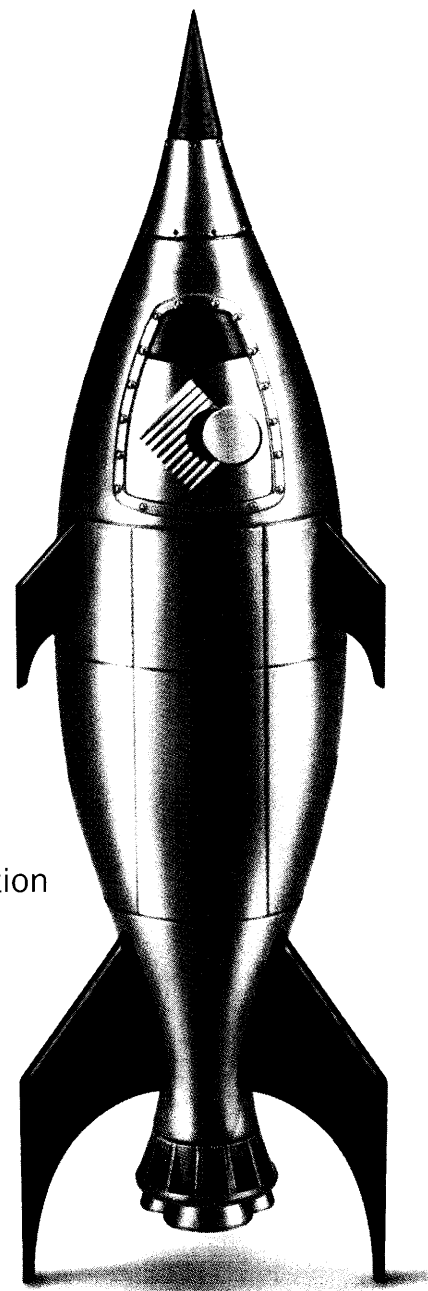
Purified and delivered in 48 Hours
www.resgen.com

ResGen
Invitrogen Corporation

1-800-533-4363

Circle No. 79 on Readers' Service Card

LifeSeq[™] databases propel your quest for discovery with...



A stellar collection of rare and full-length gene transcripts

Out-of-this-world understanding of gene function

Mission-critical expertise, affordability and IP protection

With tens of thousands of full-length transcripts, the odds of target discovery and validation are better here than anywhere else. That's why more researchers are turning to LifeSeq[®] databases from Incyte. Only Incyte starts with actual gene transcripts anchored to the genome where each transcript is completed to full-length status using proprietary molecular biology and bioinformatics capabilities. Only Incyte integrates sequence data with expression, SNP and Proteome annotation for the best understanding of gene function. Only Incyte stocks tens of millions of cDNA clones to advance your research further. And only Incyte protects you with the world's largest, fastest growing gene patent estate. So before you boldly go where no one has gone before, call or go online to explore the galaxy's most pharmaceutically relevant genomic data.

www.incyte.com

800.430.0030 (U.S.) +44 (0) 1223 454 900 (U.K.) 314.427.3222 (International)

Circle No. 91 on Readers' Service Card



IncyteGenomics
For Life.

KODAK EDAS 290

CLEARLY SUPERIOR

Should you choose your new gel imaging and analysis system based on great performance or a great price? Don't choose!! Get both with the KODAK EDAS 290 System!

"The KODAK EDAS 290 system is easy to use and produces publication-quality images of EtBr, SYBR Green, and Coomassie-stained gels. Individuals with little or no lab experience can be trained to use the basic system in a matter of minutes. A good overview of all of the software applications can be covered in about an hour, with a new user generating data from acquired or scanned images soon after. This system performs better and is priced much lower than other systems available to us. My lab uses and depends on this system every day of the week."

Dr. Shirley Luckhart, Virginia Polytechnic Institute and State University, Department of Biochemistry

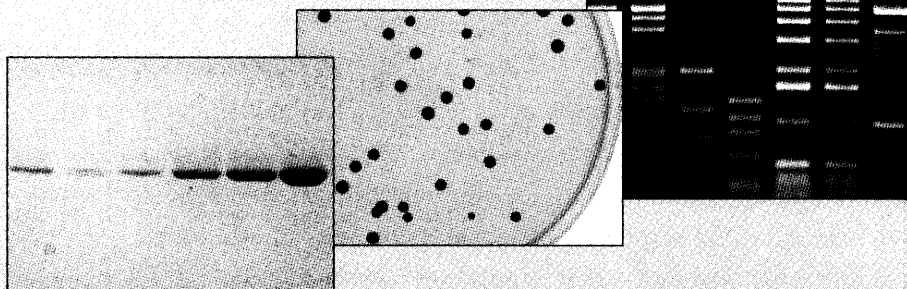
The KODAK Electrophoresis Documentation and Analysis System offers 2.1 mega pixel resolution, comprehensive analysis software, and fast, versatile workflow all for a fraction of the price of most video systems.

For further details on the features and benefits of EDAS 290, visit: www.kodak.com/go/edas290b

For pricing and ordering information, contact us at 1•877•SIS•HELP, express code 7 (US and Canada only) or 1•716•588•2572 (outside the US).



Photos by Ms. Chikako Takeshita, PhD candidate
Virginia Polytechnic Institute and State University



CLEARLY KODAK

KODAK SCIENTIFIC IMAGING SYSTEMS

