

NEW PRODUCTS

KODAK EDAS 290 Eastman Kodak

New Haven, CT
877-SIS-HELP

Please call for pricing
information

www.kodak.com/go/edas290b

DIGITAL ANALYSIS

The KODAK Electronic Documentation and Analysis System is a package that allows conversion from the popular DC 290 zoom digital camera into a system for photographing gels in just a few minutes. All the necessary hardware components are provided, including a

KODAK DC 290 digital camera system, a photographic "hood" for taking pictures of electrophoresis gels with the camera, lenses adapted for common gel stains and dyes (including ethidium bromide, SYPRO Orange, SYBR Green, SYBR Gold, and Coomassie Blue), and the powerful KODAK 1D Image Analysis Software.

A significant strength of the KODAK EDAS 290 system is the 1D Image Analysis Software (1D), which runs on Macintosh and Windows. Version 3.5.4 is the result of numerous enhancements over the years. Tools for identifying lanes and bands are easy to use and do a good job of identifying bands automatically. After the user enters mass and size standards that correspond to bands on the gel image, 1D determines size and masses of unidentified bands on the gel. With the use of this tool, even misshapen lanes or bands are easily interpreted. Faint bands can be enhanced using filters and contrast tools. The software also allows the user to readily generate histograms of band intensities in the gels. Manual labeling and identification of gel bands is also possible.

In addition to gel analysis functions, 1D has tools for analyzing spots that might be contained on, say, a dot blot or a fluorescent dot grid. These include intensity, area, and volume measures; size and position of spots; and perimeters. The program's boundary detection methods also facilitate tasks, such as counting colonies on plates.

In contrast to film-based photographic systems of gel documentation, digital systems generally provide links to computers for data analysis and archiving. The 1D software can be used to acquire images from the DC 290 camera or TWAIN standard devices, such as scanners. It can also open images created by other systems if they are in TIFF or JPEG formats. The program can perform mathematical manipulations on a single image or on pairs of images to provide visual enhancements or depictions of changes between two images.

Originally designed as a simple software tool for gel analysis, the KODAK 1D software has matured into a product with numerous imaging functions that benefit not only users who want to size bands on gels, but also scientists with needs to quantify, count, or manipulate objects in simple images.

—Kevin Ahern

Department of Biochemistry and Biophysics, Oregon State University, Corvallis, OR 97331, USA. E-mail: ahernk@ucs.orst.edu

Stratagene

For more information call
800-894-1304 or

circle 140

on the Reader Service Card
www.stratagene.com

HOTSTART DNA POLYMERASE

Two versions of hotstart DNA polymerase are available. YieldAce DNA polymerase is designed for maximizing polymerase chain reaction (PCR) product yields. It improves the specificity and sensitivity of PCR when amplifying chal-

lenging systems in complex backgrounds or when prolonged room temperature set-up is required. Herculase Hotstart DNA polymerase is suitable for amplifying challenging long and GC-rich PCR

systems with greater fidelity than when Taq DNA polymerase is used. This enzyme is suitable for detecting low-copy-number targets in complex DNA backgrounds, in PCR systems that are prone to primer-dimer formation, or in PCR reactions subjected to prolonged periods at room temperature prior to cycling.

Kinexus

For more information call
604-830-4036 or

circle 141

on the Reader Service Card
www.kinexus.com

CELL SIGNALING PROTEIN SCREENS

Two new analytical screens are available for cell signaling proteins. The Kineteworks Protein Kinase Screen is for detection of 75 protein kinases and the Kineteworks Phospho-Site Screen is for detection of 33 phosphorylation sites

that occur in at least 100 phosphoproteins. Kinexus has independently tested more than 900 different antibodies from more than 10 different commercial suppliers to identify the best immunological reagents to track these cell signaling proteins. It provides both qualitative and semi-quantitative analyses of the expression and phosphorylation states of protein kinases and phosphoproteins in cell and tissue samples as part of the Kineteworks screening service.

Thermo Haake

For more information call
201-265-7865 or

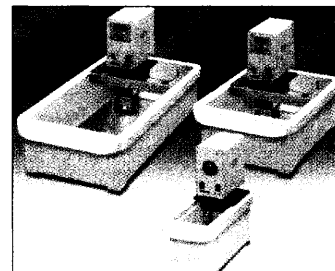
circle 142

on the Reader Service Card
www.thermohaake.com

PLASTIC BATHS

As an inexpensive alternative to standard water baths, highly rigid baths made from modified polyphenyl oxide plastic are available. Thermally resistant up to 100°C, these baths can be used in combination with Thermo Haake's C10 and

DC10 circulator heads to provide an inexpensive solution for open-bath applications in which water is the heat transfer liquid. Various bath sizes are available to suit many applications. Capacity of the P5 bath is 3 to 5 liters; the P14 bath is 8 to 14 liters; and the P21 bath is 13 to 21 liters. A full range of accessories for use with the baths includes racks, inserts, covers, and lifting platforms.



Applied BioPhysics

For more information call
518-276-2165 or

circle 143

on the Reader Service Card
www.biophysics.com

AUTOMATED MONITORING OF CELL BEHAVIOR

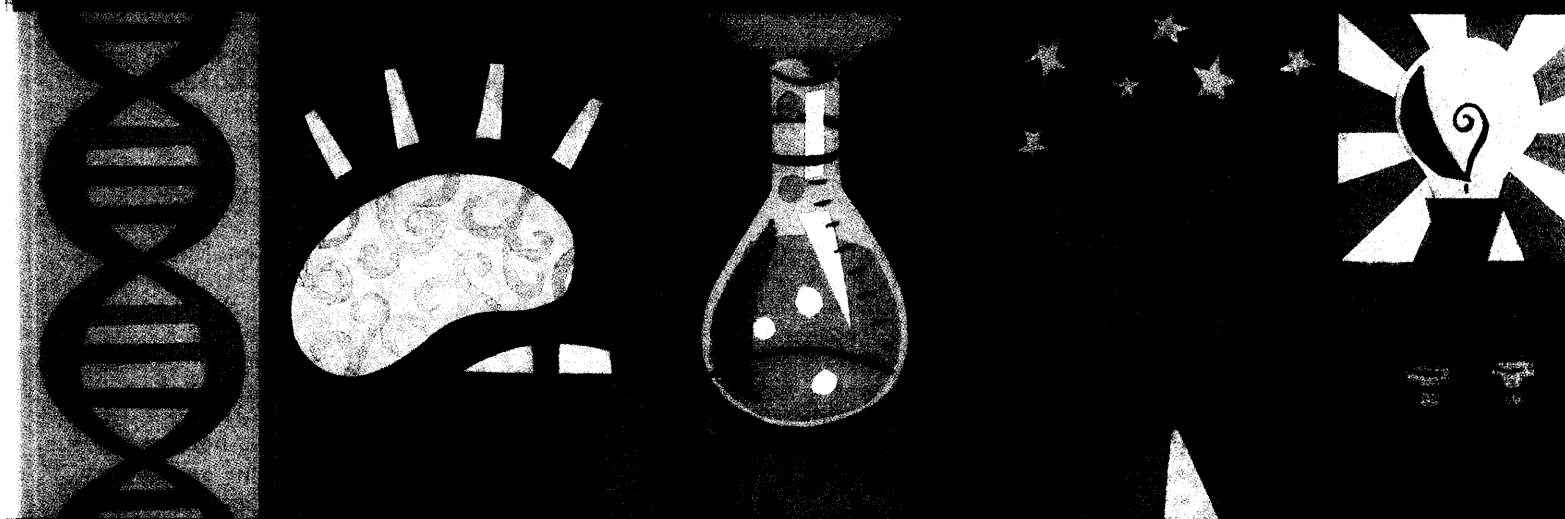
A new automated method permits the use of standard tissue culture methods and media to electrically monitor cell morphological changes continuously and in real time. The system can simul-

taneously follow up to 16 independent culture wells. Applications include measurement of cell-integrin interactions, signal transduction, in vitro toxicology, metastatic potential, and cell motility, proliferation, and migration. The ECIS (electric cell-substrate impedance sensing) Model 100 measurement follows the impedance of cell-coated electrodes and is noninvasive, quantitative, and highly sensitive. The size of the electrodes restricts the maximum cell populations that can be observed from 100 to 1000 cells (depending on the type of array), but the activities of

CONTINUED ON PAGE 1169

Call for Posters

Submission Deadline:
8 November 2001



AAAS Annual Meeting and Science Innovation Exposition

Science in a Connected World

14-19 February 2002 • Boston MA

The AAAS Poster Session

- Provides the opportunity to present your research and update meeting attendees on new scientific developments
- Offers an excellent venue for extended informal discussion with meeting attendees
- Abstracts of accepted posters will appear in the 2002 AAAS Annual Meeting Program Book

All abstracts will be peer reviewed.

2002 Poster Categories

- Education
- Life Sciences
 - Ecology & Environment
 - Molecular & Cellular Biology
 - Organismic Biology
- Physical Science
- Social Science
- Technology and Engineering

Special Student Award Competition

This event recognizes the individual research efforts of students actively working towards a college-level degree.

For complete details and poster submission, visit:

www.aaasmeeting.org

Or contact:

AAAS Meetings
Department
1200 New York Ave., NW
Washington, DC 20005

E-mail

aaasmeeting@aaas.org

Phone

202-326-6450

Submission Deadline:

8 November 2001

►►► For more details: **www.aaasmeeting.org**



even an isolated cell can be easily measured. The approach gathers data on cell behavior without the use of fluorescent or radio-labeled materials and requires little technical labor.

Barnstead/ Thermolyne

For more information call
800-553-0039 or
circle 144
on the Reader Service Card
www.barnstead.com

VARIABLE WAVELENGTH SPECTROMETER

The Turner SP-890 variable wavelength spectrophotometer features intuitive software and a continuous spectral range of 200 nm to 1100 nm. The instrument can be programmed through a liquid crystal display or a personal

computer. The user can define spectral scans with overlays and kinetic analyses. A motorized six cuvette carrier can provide options for temperature control, variable pathlength, and flow-through cell cuvettes. Optional software is available to quantify DNA, RNA, and protein concentrations.

Trevigen

For more information call
800-873-8443 or
circle 145
on the Reader Service Card
www.trevigen.com

APOPTOSIS DETECTION KIT

A new apoptosis research tool measures the collapse of mitochondrial membrane potential during the process of apoptosis. MitoShift is a cationic dye that displays a distinctive shift in its fluorescence spectra upon mitochon-

drial uptake. The distribution of the dye across the mitochondrial membrane is directly related to the mitochondrial potential and the extent of the wavelength shift is used to quantitate the change in the membrane potential using a radiometric approach. The fluorescence can be observed by microscopy or analyzed by flow cytometry.

PerkinElmer

For more information call
800-762-4000 or
circle 146
on the Reader Service Card
www.perkinelmer.com

DIFFERENTIAL SCANNING CALORIMETER

The PYRIS Diamond Differential Scanning Calorimeter features an exclusive power-compensated technique to provide high resolution, high sensitivity, and true isothermal mea-

surement on an easy-to-use platform. The power-compensated technique outperforms conventional heat flux systems. The superior performance of the instrument begins with its twin 1-gram furnaces. These unique, low-mass furnaces heat and cool quickly, providing increased resolution and higher sensitivity. This enables detection of transitions that are missed in conventional heat flux systems that feature a much larger furnace design. The PYRIS Diamond furnace enables the instrument to achieve controlled heating and cooling rates up to 500°C per minute.

Ambion

For more information call
800-888-8804 or
circle 147
on the Reader Service Card
www.ambion.com

MRNA ISOLATION KIT

The Poly(A)Purist messenger RNA Isolation Kit is based on patent-pending technology that provides both highly efficient and highly stringent hybridization, delivering maximum yield of mRNA, while minimizing ribosomal

RNA carryover. A single round of selection using Poly(A)Purist provides a level of enrichment equivalent to double or triple selection using other methods. The kit makes use of batch binding and washing of bound RNA to circumvent the problems of slow flow rates and clogged columns often experienced using conventional methods.

BioWhittaker Molecular Applications

For more information call
800-341-1574 or
circle 148
on the Reader Service Card
www.bmaproducts.com

ELECTROPHORESIS BUFFERS

New AccuGENE electrophoresis buffers are available in a variety of formats. The buffers are formulated to match precast Reliant, Latitude, and PAGER Gold gels and Long Ranger sequencing products. The buffers make use of high-quality reagents and a closed system for reproducible results.

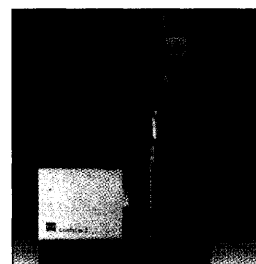
Zeiss

For more information call
800-233-2343 or
circle 149
on the Reader Service Card
www.zeiss.com/micro

FLUORESCENCE CORRELATION MICROSCOPE

The ConfoCor 2 – Combi Fluorescence Correlation Microscope combines advanced confocal cellular imaging with molecular interaction analysis in one compact microscope workstation. Built

around the well-established Zeiss LSM 510 Laser Scanning Microscope and optimized for the measurement of interactions extracellularly, at the cell surface, or intracellularly, this instrument performs its analysis in sub-femtoliter sample observation volumes. Accurate three-dimensional placement of the observational volume is defined using the three-dimensional imaging capabilities of the LSM 510 laser scanning confocal microscope. The new ConfoCor 2 – Combi extends the applications of the LSM 510 confocal microscope and creates a new standard for dealing with molecular interactions. Fluorescence correlation spectroscopy is based on the statistical analysis of fluctuations of the fluorescence photons emitted by molecules. Single photons emitted by the same molecule are time-correlated. Correlation analysis of photons emitted from a tiny observation volume totaling a portion of a femtoliter, which is less than the volume of an *Escherichia coli* bacterium, provides information about the molecular size by calculating the diffusion time, the mean number of molecules found within the observation volume during the measurement, and the relative proportions of bound and unbound molecules.



Spectrum Laboratories

For more information call
800-634-3300 or
circle 150
on the Reader Service Card
www.spectrumlabs.com

LITERATURE

Process Separation Products describes a line of hollow fiber tangential-flow membranes and systems for clarification, diafiltration, and concentration of cells, cell debris, diagnostic particles, precipitates, and proteins. The tangential flow action continually cleans the membrane, minimizing the accumulation on membrane pores and thus enhancing performance. The membranes, priced to be disposable, offer the benefits of single use, including consistent results, high recovery, and easier validation. *Dialysis/Ultrafiltration* is a catalog of products featuring a line of membranes used in various research disciplines for concentration, separating, and purifying dissolved or suspended molecules too small for traditional filtration procedures.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Reader Service Card and placing it in a mailbox. U.S. postage is free.

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

PROFESSOR AND HEAD DEPARTMENT OF PHARMACEUTICAL SCIENCES

School of Pharmacy
University of Connecticut
Storrs, Connecticut

The Department of Pharmaceutical Sciences of the School of Pharmacy at the University of Connecticut (website: <http://pharmacy.uconn.edu>) invites applications for the position of Department Head to begin August 1, 2002. Candidates must have a Ph.D.; a strong, active research program; and a distinguished record of teaching and service, all commensurate with the rank of Professor with tenure. Leadership skills, established excellence in interpersonal communication and administrative skills, and a strong commitment to supporting interdisciplinary research as well as participation in professional organizations are also requisite. Qualifications preferred but not required include experience with R01 NIH grants or their equivalent, personnel management, budgets, faculty recruitment and development, and graduate training. Preferred research interests include the disciplines of medicinal chemistry, pharmaceuticals, or pharmacology/toxicology. The Department is made up of 18 to 20 faculty, maintains extramural support of \$4.6 million, and has approximately 50 Ph.D. graduate students in training. Applicants should send curriculum vitae, a statement of interests, and arrange for three letters of recommendation to be sent directly to:

Dr. Andrea K. Hubbard
Chair, Search Committee
Department of Pharmaceutical Sciences
School of Pharmacy, U-2092
University of Connecticut
Storrs, CT 06269
E-mail: Andrea.Hubbard@uconn.edu

Applications will be received until the position is filled. Initial review of applications will begin November 1, 2001. We encourage applications from women, minorities, and people with disabilities.

TENURE-TRACK/TENURED ASSOCIATE PROFESSOR Biomedical Sciences

The University of Illinois College of Medicine at Rockford seeks one tenure-track/tenured Associate Professor for its diversified Department of Biomedical Sciences. The candidate should hold a Ph.D. and/or M.D. Although the training background is open to any of the biomedical fields, the major emphasis is excellence in research. The successful applicant will be expected to have a developed and extramurally funded research program and participate in the teaching of a team-taught course in medical pharmacology. Rockford is a pleasant four-season community with affordable housing, opportunities for spousal employment, and close proximity to large urban centers and rural environs. Submit curriculum vitae, a short statement of research interests, and the names and addresses of three references to: **Dr. Fu-Li Yu, Ph.D., Head, Department of Biomedical Sciences, University of Illinois College of Medicine at Rockford, 1601 Parkview Avenue, Rockford, IL 61107-1897.** Applications will be reviewed starting October 1, 2001. *The University of Illinois is an Equal Opportunity/Affirmative Action Employer.*

The University of Chicago invites applications for a nontenure-track position as **LECTURER** in the Biological Sciences Collegiate Division. The applicant will teach introductory general biology courses, which will include laboratories. We are seeking broadly trained Ph.D. applicants with teaching and research experience who are competent to teach cell/molecular, organismal, and population biology at the introductory survey level. Expertise in physiology is desirable. Send curriculum vitae; three letters of reference; and a statement of teaching interest by August 30, 2001, to: **Jose Quintans, The University of Chicago, Biological Sciences Learning Center, Room 104C, 924 East 57th Street, Chicago, IL 60637.** *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BIOMOLECULAR INTERACTIONS

Departments of Chemistry and Biochemistry

As part of a recently funded initiative in biomolecular interactions, The Departments of Chemistry and Biochemistry at McMaster University have openings for several **ACADEMIC APPOINTMENTS** for individuals working at the interface of chemistry and biology. Areas of particular interest include protein NMR spectroscopy, mass spectrometry, X-ray crystallography, and synthetic/medicinal chemistry. Appointments can be considered at any level.

These positions are linked to existing strengths in the area of chemical biology and to a recent infrastructure expansion involving the two Departments. This includes the construction of a new 20,000-square-foot research facility that is fully equipped for the study of biomolecule-biomolecule and small molecule-biomolecule interactions by NMR, MS, crystallography, fluorescence, and other spectroscopic techniques.

Applicants should provide curriculum vitae, a research plan, a statement of their teaching interests and experience, and should arrange for three letters of recommendation to be sent to:

Dr. Brian McCarry
Chair, Search Committee
Biomolecular Interactions Initiative
c/o Department of Chemistry
McMaster University, 1280 Main Street West
Hamilton, ON L8S 4M1 Canada

Applications will be considered starting October 15, 2001, and will continue until the positions are filled. *In accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be considered first for these positions. McMaster University is committed to Employment Equity and encourages applications from all qualified candidates including members of visible minorities, aboriginal peoples, persons with disabilities, and women.*

DEPARTMENT OF CHEMISTRY NSERC UNIVERSITY FACULTY AWARDS

The Department of Chemistry invites applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level funded jointly for the first five years by the Natural Sciences and Engineering Research Council of Canada (NSERC) and McMaster University and commencing July 1, 2002. Candidates must have a Ph.D. degree, an outstanding research record in any area of chemistry, and an aptitude for undergraduate and graduate teaching. Applicants should send curriculum vitae; a research proposal; and arrange for three letters of reference to be sent by August 31, 2001, to: **Dr. W.J. Leigh, Chair, Department of Chemistry, McMaster University, Hamilton, ON L8S 4M1 Canada. Telephone: +1-905-525-9140, Extension 24504; FAX: +1-905-522-2509.** *This competition is restricted to women and aboriginal peoples of either sex who are Canadian citizens or permanent residents of Canada at the time of application and who have not previously held a tenure-track position at a Canadian university. McMaster is committed to Employment Equity and encourages applications from all qualified candidates including persons with disabilities and members of visible minorities.*

ASSISTANT PROFESSORSHIP'S INORGANIC, ORGANIC, AND PHYSICAL CHEMISTRY

Harvard University
Department of Chemistry and Chemical Biology

Applicants are invited to apply for Assistant Professorships in inorganic, organic, and physical chemistry. Applicants should arrange to have three letters of recommendation sent independently and should provide curriculum vitae, a list of publications, and outlines of two future research projects. Applications and supporting materials should be sent to: **Chair, c/o Ms. Carol Gonzaga, Department of Chemistry and Chemical Biology, Harvard University, 12 Oxford Street, Cambridge, MA 02138-2902.** *Harvard University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minority group members.*

GROUP LEADERS • SENIOR SCIENTISTS • SCIENTISTS

PTC Therapeutics, Inc. applies its integrated RNA biology and chemistry proprietary drug-discovery platforms to identify small molecule drugs. PTC's technologies allow drug discovery programs to progress rapidly from gene sequencing to lead compounds by identifying small molecules that selectively bind to either RNA targets or proteins that interact with RNA. PTC's technology provides a general approach for all genetic-based diseases and the Company currently has drug discovery programs in oncology, infectious diseases, inflammation, and genetic disorders. PTC is well funded by premier investors and occupies a 30,000 sq.ft. custom-built research facility in South Plainfield, NJ.

PTC has several positions available for energetic, highly motivated scientists with specialized skills who enjoy a multidisciplinary approach to drug discovery. General requirements include strong problem solving ability, superior communication skills, supervisory ability or potential, and oral/written presentation skills.

GROUP LEADERS

RNA Biology: The ideal candidate will be an accomplished scientist in the field of RNA biology and target validation with a minimum of five years of experience beyond Ph.D. The successful candidate will lead a group of scientists focusing on novel targets in the area of RNA biology, including processing, translation, and stability.

High Throughput Screening: The HTS Group Leader will manage a team of scientists in our high throughput screening and bioinformatics group. The ideal candidate will have a Ph.D. with a minimum of five years of biopharmaceutical experience beyond Ph.D. in the areas of assay design, development and implementation. Working knowledge of Activity-Base or similar software is highly desired.

SENIOR SCIENTISTS

Senior Scientist, Assay Development - The ideal candidate will have a multi-disciplinary background encompassing biochemistry and molecular biology expertise with extensive experience in assay development. In addition to drug discovery experience, individuals with therapeutic focused research experience are desired (infectious diseases, oncology or inflammation). Candidate must have a Ph.D. with a minimum of four years experience post-Ph.D. The Senior Scientist will be expected to work independently as well as within a team and will be responsible for all aspects of HTS design and development, from gene cloning through assay validation and installation (screening excluded). Industrial experience is preferred, but not essential. Supervisory experience and a working knowledge of the design and delivery of HTS assays is a requirement. Experience with RNA mechanisms is a plus.

Senior Scientist, RNA Biology – Possessing expertise in RNA biology, the Sr. Scientist will design and supervise experiments focused on biological processes involving RNA, including protein synthesis, mRNA decay and RNA processing. A Ph.D. with a minimum of four years of experience in an RNA-related field is required. The Sr. Scientist will have extensive experience in performing experiments utilizing RNA, including: in vitro transcription/ translation, northern blots analysis, and analysis of RNA-protein interactions.

Senior Scientist, Immunology - The successful candidate will have a minimum of four years of experience and a strong background in molecular immunology, especially with respect to inflammatory cytokines. The Sr. Scientist will be involved in the development of cutting edge assays to define novel molecular targets for drug screening.

SCIENTISTS

Scientist, RNA Biology - A Ph.D. in bioscience is required and a minimum of two years of post-doc experience, preferably in RNA. Applicants with prior biopharmaceutical research experience are preferred. This position will be involved in the screening of combinatorial chemical libraries to identify small molecules that interact with defined RNA structural elements, as well as the analysis of small molecule-RNA interactions using both biochemical and biophysical approaches. Experience with one or more of the following is required: bead-based and/or molecular capture-based screening of combinatorial chemical libraries; equilibrium binding analysis by fluorescent polarization, electrophoretic-mobility-shift assay, or surface plasmon resonance; analysis of transcription/translation activity by cell-based reporter gene assay; large-particle analysis/sorting by FACS; analysis of complex chemical libraries by mass spectroscopy.

Scientist, Molecular Biology – This position will focus on mechanism of action studies for small molecules involved in the regulation of gene expression. As part of a group, the Scientist will establish assays to determine the mechanism of action of several lead compounds. A Ph.D. in Molecular Biology or related field with a minimum of two years of experience is required. Ideally, the candidate should have experience working with RNA, yeast genetics, and cell culture.

PLEASE APPLY ONLY ONCE AND PLEASE INDICATE POSITION(S) OF INTEREST.

Qualified individuals should send a cover letter and resume indicating the position of interest to: **PTC Therapeutics, Inc. - Attention: Human Resources – Job Code SCI801 - 100 Corporate Court - South Plainfield, NJ 07080. Visit our web site at www.ptcbio.com. We strongly encourage electronic submissions, please address: careers@ptcbio.com.**

PTC Therapeutics, Inc. is an equal opportunity employer offering competitive compensation, excellent employee benefits and the opportunity for personal and professional growth in an outstanding work environment.





*The challenge of saving
lives and improving
health ... the innovation of
a world-class research
institution ... and the
teamwork that makes
it all happen ...*

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 \$5.1 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, Ann Arbor, Michigan, and Groton, Connecticut.



Life is our life's work.

Biochemists (La Jolla)

To fill our openings at several levels, we are seeking Biochemistry PhD Senior Scientists and/or Research Scientists who will contribute as Lead Biochemists to multidisciplinary project teams aimed at the discovery of novel drugs using combinatorial chemistry and structure-based drug design. The successful PhD candidate must have 2+ years of postdoctoral experience and in-depth knowledge of enzyme kinetics, enzyme assay development and enzyme inhibitor characterization; protein purification; and biophysical techniques (Req. #01-0501-5V135CL). We are also seeking Associate Scientists with a BS/MS in Biochemistry, Chemistry or a closely related discipline, 2+ years of industrial experience, advanced computer skills and research experience with enzyme kinetics and protein characterization (Req. #01-0614-5V135JE).

Senior Scientist, Molecular Sciences (Ann Arbor)

As a member of the Target Information Team, you will help select and prioritize molecular targets while providing expertise in gene sequence analysis to support several therapeutic areas. This position requires a PhD in the biological sciences and 2+ years postdoctoral experience in molecular biology and bioinformatics. You will also demonstrate a thorough knowledge of a broad range of bioinformatics applications, including familiarity with sequence analysis tools and databases as well as genomic sequence analysis. Req. #27Mar0103871

Assistant Scientist, Molecular Sciences (Groton)

Working within a multidisciplinary team, you will conduct molecular and cellular biology experiments to identify and validate novel mechanisms and targets in inflammatory models while developing reagents in support of drug discovery. Additional responsibilities will include performing recombinant DNA cloning, gene transfection and stable cell line development; conducting protein expression in multiple systems; and applying antibody-based techniques. This position requires a BS in Biochemistry, Molecular Biology or related field (MS preferred), 2 years of experience and a thorough knowledge of molecular biology skills. Req. #27Jul0106467

Assistant Scientist (Groton)

Working in a team environment within the gene function group and with various therapeutic areas, you will develop vectors for the generation of knockout, knockin and transgenic mice. This position requires a BS or equivalent (MS preferred) and a broad range of molecular biology skills, including PCR, RT-PCR, cloning, and Southern, Northern and Western blotting. Req. #17Jul0106213

Assistant Scientists (Groton)

We have multiple opportunities for Assistant Scientists to contribute to our atherosclerosis and diabetes teams by helping investigate the diseases and develop therapeutics for their treatment. You'll use molecular biology techniques to generate and validate novel targets, screens, and cell-based and *in vivo* models. Positions in both areas require a BS (MS preferred) and 2+ years relevant experience. To apply for the position within the diabetes team (Req. #28Jun0105879), experience in insulin signaling/secretion and cell biology is desirable. For the position within the atherosclerosis team (Req. #05Jun0106024), a background in molecular techniques is desirable, as is experience in atherosclerosis research.

Research Scientist (Groton)

In this role, you will supervise a laboratory that contributes to our diabetes team by helping to understand the mechanism of diabetes mellitus. You will also generate and validate novel drug targets while supporting chemistry-driven programs. This position requires a PhD or equivalent, 2 years postdoctoral experience and a strong publication record. A broad background in molecular techniques is essential, and experience in diabetes research is highly desirable. Req. #28Jun0105874

Pfizer offers an exceptional work environment complete with competitive salaries, excellent 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.

Electrophysiologist (Groton)

Participating in the discovery and characterization of drugs for the treatment of human disease, you'll work with a Senior Research Scientist to explore the impact of new chemical entities on physiological systems secondary to the intended pharmacology. Specifically, the responsibility would be to define the effect of these new chemical entities on the action potential of isolated cardiac tissues or myocytes and the underlying ionic basis. You must have a BS (MS preferred) and 2 years industrial or academic experience with *in vitro* electrophysiological techniques. Req. #02Jul0105956

Electrophysiologist (Groton)

You will perform lab experiments as part of the preclinical evaluation of psychotherapeutic agents using standard *in vivo* and *in vitro* electrophysiological techniques with the aim of finding new drugs for the treatment of mental illness. You'll need a BS (an MS with a focus on Neuroscience is preferred), 3-5 years lab experience and a demonstrated knowledge of *in vivo/in vitro* electrophysiological models. Req. #14Jun0105606

Assistant Scientist (Groton)

In this role, you will maintain state-of-the-art automated equipment for high throughput screening. Primary responsibilities will include adapting biological assays for automated screening, prosecuting the screen and performing follow-up work to identify lead compounds in drug discovery. This position requires a BS/BA in Biology or Chemistry, a background in biochemistry and demonstrated experience with enzyme kinetics and receptor-binding assays. Req. #03Jul0106002

Assistant Scientist (Groton)

You will develop and run a variety of assays, including enzymatic and receptor-binding whole cell assays for use in discovering lead compounds via high throughput and directed screening. You must have a BS/BA in Biology or Chemistry (MS preferred), biochemistry lab experience and familiarity with enzyme and receptor-binding kinetics and cell culture. Computer literacy and expertise with biochemical techniques are essential, as is a background in chemistry, protein purification, molecular biology, and cell transfection and expression systems. Req. #03Jul0106003

Assistant Scientist (Groton)

Working in a biology laboratory geared toward the discovery of drug candidates for osteoporosis, you will be responsible for maintaining lab supplies, establishing animal models, and conducting bone densitometer and histomorphometric analyses. This position requires a BS in Biology, Biochemistry or related field (MS desired) and at least 1 year of lab experience. Req. #20Jun0105706

Protein Chemist (Groton)

You will be working alongside other protein chemists to provide high quality protein reagents for structural studies and high throughput screening. You'll be expected to reproduce published results as well as develop novel techniques for protein purification and characterization. You must have a BS or equivalent in Biochemistry, Biophysics, Chemistry or a related field (MS preferred) and 3+ years protein purification and characterization experience. Req. #28Jun0104868

Assistant Scientist (Groton)

You will develop and run a variety of high throughput assays (e.g. enzymatic, receptor-binding, and whole cell assays) with the goal of discovering and characterizing lead compounds for drug development. Mastery of the fundamentals of biochemistry and biology is essential. Computer literacy and relevant laboratory experience are required. Familiarity with tissue culture techniques, recombinant expression systems, and protein purification is desirable. You must have a BS or an equivalent degree in Biochemistry, Biology, Chemistry, or a related field. Req. #14Jun0105611

Pharmaceutical

Cutting Edge Science Driving The Discovery Of New Medicine.

Investigator/Senior Investigator

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. If your goal is to change the world with innovative medicines, now is the time to join our respected team. We currently have opportunities available in our Genomic Histology department, located in suburban Philadelphia, PA, and Research Triangle Park, NC.

Using your demonstrated ability to motivate both line and project research teams, you will lead scientists in the performance of molecular histology-based RNA and protein expression/localization profiles in support of target identification/validation research. You will also serve as a point of contact for Genomics molecular pathology by establishing and maintaining key interactions with Pathologists and other Molecular Pathology Scientists in Safety Assessment and participating in interdisciplinary project teams. Your Ph.D. or equivalent in Molecular Pathology, Molecular/Cell Biology or related discipline and 3 years of post-graduate research experience, with a research and/or publication record to substantiate molecular pathology expertise are necessary. Extensive knowledge of molecular pathology, histology, *in situ* hybridization, immunohistochemistry, and tissue-processing procedures applied to morphological localization of RNA and proteins is essential. Pharmaceutical/biotech experience preferred.

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 mail your resume to: GlaxoSmithKline, Job Code: 01-1114, P.O. Box 40047, Philadelphia, PA 19106 or visit our website: www.gsk.com Indicating Job Code is essential. Principals only, no agencies please.

Developing talent through equality of opportunity, MIFIDIV.



FACULTY POSITION

Department of Microbiology and Immunology and
Center for Infectious Diseases

The University of North Carolina at Chapel Hill

BACTERIAL PATHOGENESIS

Individuals studying Bacterial Pathogenesis are invited to apply for a tenure-track faculty appointment at The University of North Carolina at Chapel Hill School of Medicine, beginning summer 2002.

Candidates for this position should have expertise in the area of bacterial pathogenesis and/or host responses to bacterial infection and should be prepared to participate in teaching medical microbiology and bacterial pathogenesis to graduate students and medical students. The appointment will be in the Department of Microbiology and Immunology at the level of Assistant Professor. Visit our web site (<http://www.med.unc.edu/wrkunits/2depts/microimm>) for more department information. The Department has a strong program in bacterial genetics and molecular pathogenesis. The successful candidate will also become a member of the Center for Infectious Diseases, which brings together investigators from the Department, the Division of Infectious Diseases, and the School of Public Health who share interests in infectious disease pathogenesis, epidemiology, and prevention.

The successful candidate will be expected to develop outstanding independent research programs and to excel in teaching. A doctoral degree, relevant postdoctoral experience, and a strong publication record are required.

Applicants should send curriculum vitae, statement of research interests and future plans, representative reprints, and arrange to have three letters of reference sent to Dr. Tom Kawula. Mailing address: **Department of Microbiology and Immunology, CB# 7290, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599.** Applications will be accepted until the position is filled.

Minorities and women are encouraged to apply. The University of North Carolina at Chapel Hill is an Equal Opportunity Employer.

Leading the way to the future.

Tenure Track Position in Host Response

The Forsyth Institute invites applicants for a tenure track position in its Host Response research program, to complement our current programs in the immunological aspects of oral diseases. Individuals with expertise in innate immune mechanisms, vaccine development or signal transduction are especially encouraged to apply.

Tenure Track Position in Microbiology & Molecular Genetics

We are also seeking an applicant for a tenure track position in our Microbiology and Molecular Genetics research program. This individual should possess a strong background and experience in microbial physiology and biochemistry, and have an interest in the functional genomics of human oral pathogens. This expertise will complement existing program strength in molecular genetics and molecular pathogenesis.

Successful candidates for these positions will have a strong record of novel and significant research accomplishment supported by publications in peer-reviewed journals, as well as a demonstrated ability to attract extramural funding. The Forsyth Institute offers newly-renovated laboratory space, competitive start-up packages, and generous fringe benefits. Joint appointments are possible through our affiliation with Harvard University.

Please send letter of application, curriculum vitae and the names of three references to: **Department of Human Resources, The Forsyth Institute, 140 The Fenway, Boston, MA 02115.**

Forsyth is an Equal Opportunity/Affirmative Action Employer; women, minorities and persons with disabilities are encouraged to apply.



The Forsyth Institute

www.forsyth.com



The University of Virginia School of Medicine

We invite applications for tenure track faculty positions as part of an interdisciplinary effort by the Cardiovascular Research Center, The Paul Mellon Prostate Cancer Research Institute and the Department of Molecular Physiology and Biological Physics. We propose to build on existing strengths in areas at the interface of vascular biology and cancer biology, including angiogenesis, metastasis and cell signaling. The University of Virginia is a nationally highly ranked institution located in Charlottesville, Virginia. The research support facilities are outstanding and the atmosphere is open and collaborative. Charlottesville is a community renowned for its quality of life. The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Qualified female and minority applicants are encouraged to apply. Positions are open until filled.

PAUL MELLON PROSTATE CANCER RESEARCH INSTITUTE

The mission of the Mellon Institute is to foster interactions between scientists with established prostate cancer research programs and scientists with an interest in fundamental issues in cell, molecular and systems biology. We seek scientists studying fundamental and translational issues in **angiogenesis and metastasis**. Areas of possible specialization include (but are not limited to) **regulation of gene expression, developmental biology, animal models of disease, structural biology, genomics/proteomics, and developmental therapeutics**. Established investigators (Ph.D. and/or M.D.) are expected to have a demonstrated record of outstanding peer-reviewed research, and beginning investigators should have a record of scientific excellence and outstanding potential. The rank and specific area of these positions are open. Faculty appointments can be either in basic or clinical Departments. Positions are open until filled. Please send applications with Curriculum Vitae, bibliography, short research plan and list of (3) references to: **Chair, Mellon Institute Search Committee, Cancer Center, University of Virginia Health System, P. O. Box 800334, Charlottesville, VA 22908-0334.**

DEPARTMENT OF MOLECULAR PHYSIOLOGY AND BIOLOGICAL PHYSICS

The Department's current major interests are in **signal transduction, structural biology, vascular biology, membrane proteins, protein-lipid interactions and proteomics related to translational research in cardiovascular disease and cancer**. Applications from individuals with related and complementary interests and employing molecular and/or proteomic methods are invited. Qualifications include a Ph.D. and/or MD. Established investigators are expected to have a demonstrated record of outstanding peer-reviewed, nationally recognized research, and beginning investigators should have a record of scientific excellence and outstanding potential. Please send applications with Curriculum Vitae, bibliography and list of (3) references to: **Dr. Lukas K. Tamm, Chair, Search Committee, Department of Molecular Physiology and Biological Physics, University of Virginia Health System, P.O. Box 800736, Jordan Hall, Charlottesville, VA 22908-0736.**

Further information:
<http://www.med.virginia.edu/medicine/basic-sci/physio>

CARDIOVASCULAR RESEARCH CENTER

The cardiovascular research center is now expanding its efforts in **angiogenesis and endothelial cell biology**. Our prior interdepartmental research foci have included mechanisms of contractile protein function, vascular mechanics, and signaling in vascular smooth muscle. We are in the process of assembling a group of investigators who will extend these areas of excellence to include an expanded program integrating the themes of **intra- and inter-cell signaling, angiogenesis and vascular development**. Appointments may be in any of several basic science departments in the Medical School, consistent with prior training and interests of the applicant. Qualifications include a PhD and/or MD. Applicants should send letters of inquiry, resume, and 1 page statement of research goals to: **Dr. Brian R. Duling, Director, Cardiovascular Research Center, University of Virginia Health System, P.O. Box 801394, Charlottesville, Va 22908-1394.**

Further information:
<http://www.med.virginia.edu/medicine/inter-dis/cvrc/>

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE

Founded in 1987 by the late David Packard, MBARI is a private oceanographic research institute, uniquely dedicated to the development of state-of-the-art equipment, instrumentation, systems and methods for scientific research in the deep waters of the ocean. MBARI's emphasis on finding technological solutions to the tremendous challenges facing oceanographic science makes it unique among oceanographic institutions. Located in Moss Landing, California, the heart of the nation's largest marine sanctuary, MBARI places a balanced emphasis on science and engineering, with established programs in remote and autonomously operated vehicle technology, ocean physics, chemistry, geology, and biology, as well as information management and ocean instrumentation system research and development. MBARI has an operations facility to support our research vessels and oceanographic equipment, including remotely operated vehicles. Many projects are funded by the David and Lucile Packard Foundation, although researchers are encouraged to raise additional support from external sponsors. For more information on MBARI, please visit our web site at <http://www.mbari.org>.

RESEARCH ENGINEER

Research Engineers lead the development of new in situ chemical and biological sensors for oceanographic science. The first of several new Research Engineer positions is currently open. The successful candidate must be capable of building and sustaining a world class program focused on developing instrumentation. Activities at MBARI heavily emphasize teaming of scientists and engineers to take on outstanding oceanographic problems, and the ideal candidate would play a strong role in creating and participating in such teams.

MBARI has made a major commitment to in situ oceanographic sensors, and is already positioned in a leadership role in three important classes of sensors: in situ chemistry, in situ DNA typing, and chemical process characterization. We are seeking to strengthen our activities in these areas by recruiting an individual whose area of technical interest would complement existing science and engineering initiatives at MBARI. Relevant backgrounds include, but are not limited to: microfluidics, MEMs, optical sensors for water properties, biotechnology, acoustics and environmental analysis. We are looking for a background in novel technologies enabling new approaches in underwater sensing. These would augment our strong capabilities in the development of complex systems and platforms for oceanography, such as Remotely Operated Vehicles and Autonomous Underwater Vehicles.

A Ph.D. degree, or equivalent experience, and demonstrated leadership in a field of technical research is required. Excellent communication skills and the ability to work effectively with diverse groups of people are a must. Familiarity with the management of complex engineering projects is desirable. Oceanographic background, especially field experience, a plus. Must be willing and able to go to sea for specified periods. A strong commitment to furthering oceanographic science is essential.

MBARI considers all applicants for employment without regard to race, color, religion, sex, national origin, disability, or veteran status.

Please send resume and cover letter to:

MBARI, Human Resources

7700 Sandholdt Road, Moss Landing, CA, 95039-9644

Fax to (831) 775-1620, or email to jobs@mbari.org

EOE • MBARI Welcomes Diversity



The Department of Microbiology, University of Hawaii, invites applications for two tenure-track, nine-month appointments. One position is at the Assistant Professor level and the other can be at the Assistant or Associate Professor level. Both positions begin August 1, 2002. We seek a Bacteriologist who will provide a challenging upper division course in prokaryotic biology annually and an advanced course in his/her area of specialization in alternate years. The successful candidate is expected to maintain an active research program emphasizing bacterial physiology, pathogenesis, or marine microbiology. The second position is for someone with a strong research program in bacterial genetics. This person will be required to teach an upper division course in bacterial genetics annually and a graduate course in their area of specialization. Either position, but not both, can be at the Associate Professor level.

Minimum Qualifications: Doctorate in microbiology, post-doctoral experience with publications and a commitment to teaching. The Associate Professor requires at least four years of full-time college or university teaching/research at the Assistant Professor level or equivalent. Salary will be commensurate with experience and rank.

To apply, send curriculum vitae, statement of research goals and teaching philosophy, and names of at least three references to: **Search Committee, Department of Microbiology, University of Hawaii, 2538 The Mall, Snyder 207, Honolulu, HI 96822.** Review of applications will begin in October 2001. Applications received after October 1, 2001, may not receive full consideration.

The University of Hawaii is an Affirmative Action, Equal Opportunity Employer.

U.S. Department of Agriculture (USDA)
Agricultural Research Service (ARS)



RESEARCH MOLECULAR BIOLOGIST

Human Nutrition Research Center on Aging at Tufts University
GS-12/13

The USDA Jean Mayer Human Nutrition Research Center on Aging located at Tufts University, in Boston, Massachusetts, is seeking to fill a permanent full-time Research Molecular Biologist position in which the selectee will participate as part of a team conducting research investigations on human nutrition and aging research, with emphasis on the relationship between diet and genetic differences in chronic disease prevention. Techniques from the areas of genetics, molecular biology, molecular genetics, biochemistry and genomics will be utilized. Specifically, the selectee will develop and implement tools for high-throughput genotype analysis of human DNA samples using state-of-the-art fluorescent-based detection protocols, capillary electrophoresis, microarray technology, including the use of robotic platforms and computer programs to identify new mutations and to efficiently screen for mutations in large population sets and in small study groups. The Center is located in Boston in close proximity to Tufts Medical School, the Sackler School of Biomedical Sciences, the School of Nutrition Science and Policy and New England Medical Center. The individual will also be given consideration for a faculty appointment with Tufts University. To qualify, candidates must be U.S. citizens; have a degree in the biological sciences or in a related discipline appropriate to the position or have one year of specialized experience; and have demonstrated ability to design, plan, conduct research, and publish results. Salary commensurate with experience (GS-12/13; \$54,072 to \$83,596).

For application information call Ms. Sandra Jacobs, 617-556-3310, or visit the ARS website at

<http://www.ars.usda.gov/afm2/divisions/hrd/hrdhomepage/empopp.htm>
Applications in response to this ad must be marked with the vacancy announcement number ARS-X1E-1431, and postmarked by September 9, 2001.

*USDA/ARS is an Equal Opportunity Employer.
Women and minorities are encouraged to apply.*



Postdoctoral Training

The CIIT Centers for Health Research in Research Triangle Park, NC is seeking postdoctoral fellows with Ph.D., D.V.M., or M.D. degrees to join research programs in Neurotoxicology and Endocrine/Reproductive Toxicology. Two positions are available:

Endocrine/Reproductive Toxicology

A postdoctoral fellowship is available that focuses on characterizing molecular events occurring during male reproductive tract development that are targets for environmental antiandrogens. The project will incorporate cellular and molecular techniques, including microarray analysis, RT-PCR, laser capture microscopy, and immunocytochemistry, with whole animal developmental studies. Candidates should have a Ph.D. and experience in molecular and cellular biology. Placement Time Frame: Immediately. Contact: Dr. Kevin Gaido, (919) 558-1236 or gaido@ciit.org.

Neurotoxicology

A postdoctoral fellowship is available to develop physiologically based pharmacokinetic (PBPK) models to describe the dosimetry of inhaled manganese. Individuals with pharmacokinetics or metabolism experience will be considered. Prior experience with PBPK modeling is desirable. Placement Time Frame: Immediately. Contact: Dr. David Dorman, (919) 558-1350 or dorman@ciit.org

Applications are accepted on a rolling basis. Appointments are typically two-three years in length. CIIT offers a highly competitive salary, 401K savings plan, and benefits package. Additional information about CIIT's research programs and applications can be obtained from our web site: (<http://www.ciit.org>). or call (919) 558-1402 and refer to the "Postdoctoral Fellow" position.

CIIT is an EEOC Employer.

Leading the Way for a Healthier World™

At Wyeth, we work with purpose because our work has purpose: We work for lives. We have a long history of pioneering preventive and therapeutic pharmaceutical, vaccine, and nutritional product solutions. Our R&D accomplishments in women's health care, anti-inflammatory agents, central nervous system drugs, oncology/immunology, infectious disease and more put us at the forefront of health care's most promising discoveries. With a product pipeline ranked among the industry's best, the future is exhilarating.

Research Scientist, Drug Safety & Metabolism (Time-share/part-time)

- PhD in Pharmacokinetics or a related discipline
- Experience using at least one of the following programs: ADAPT, ACSL, WinNonlin, WinNonMix or NONMEM

Research Scientist, Bioanalytical Support

- BS in Biochemistry or related field with 6+ years experience, or Master's in related field with 4+ years experience working with immunochemical and biochemical assays in a GLP setting

Associate Director - Immunoassay Group

- PhD in Immunology or closely related field and previous management experience
- Extensive experience with immunoassays for the detection of drugs and/or immunogenicity assessment

Research Scientist, Bioanalytical Support

- BS/MS in Chemistry, Biology or other related discipline with 8+ years (BS) or 5+ years (MS) hands-on experience in HPLC or HPLC/MS
- Experience in GLP/GMP procedures and in maintenance/troubleshooting of HPLC or HPLC/MS systems

Research Scientist, Discovery Programs & Formulation Development

- PhD in Analytical Chemistry, Chemistry, Pharmaceutical Science or a related science
- Knowledge/experience in bioanalytical method development, analytical instrumentation, including LC/MS/MS and computer-based data analysis

Post Doctoral, Population Toxicokinetics Research Program

- PhD in Pharmaceutical Sciences or related field
- Demonstrated expertise in Population Pharmacokinetics and hands-on experience in design/analysis of population kinetic studies using software such as NONMEM or WinNonMix

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 rich avenues for advancement, challenging opportunities, generous compensation, stock options, childcare subsidies, education assistance, flexible schedules and other great benefits. For consideration, please forward your resume and salary requirements to: **Wyeth Pharmaceuticals, Attn: S. Avery, 401 N. Middletown Road, Pearl River, NY 10965. Fax: 845-732-5375. Email: averys@war.wyeth.com.** No phone calls. Principals only. Equal Opportunity Employer M/F/D/V



*Different People
One Shared Vision*

www.wyethjobs.com

Pharmaceutical

Explore all the possibilities that leading edge science offers.

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. We currently have opportunities available in our state-of-the-art facility, located in suburban Philadelphia, PA.

Scientists/Senior Scientists, Microbial Biochemistry

As members of a multi-disciplinary team, the successful candidates will be involved in the development and running of assays to characterize bacterial enzymes, and the identification and evaluation of inhibitors, using a variety of state-of-the-art biochemical and enzymological techniques. You will be expected to take a leading role in the design of experiments and analysis of data, and present your work at internal meetings and in written reports. You will also conduct successful laboratory work with minimal supervision and keep accurate records. Along with your MS in biochemistry or related field with up to 3 years of relevant experience in a research setting or BS with 2-6 years of relevant experience, a thorough understanding of relevant scientific literature is necessary. Excellent communication and interpersonal skills and computer literacy are essential. Previous experience with lab-based computer programming is preferred, but not essential for one position. (Job Code: 01-1270)

Investigator, Microbial Biochemistry

The successful candidate will be responsible for the identification and characterization of novel bacterial enzymes and inhibitors using a variety of state-of-the-art biochemical, biophysical and enzymological techniques. Responsibilities will include characterizing enzyme-inhibitor interactions and developing and optimizing a wide variety of assay formats to support high throughput screening and lead optimization. We require a Ph.D. in Biochemistry or a related field with 2-3 years of postdoctoral experience. Candidates should also possess excellent communication and interpersonal skills. (Job Code: 01-1392)

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 mail your resume to: GlaxoSmithKline, Job Code, P.O. Box 40047, Philadelphia, PA 19106 or visit our website: www.gsk.com Indicating Job Code is essential. Principals only, no agencies please.

Developing talent through equality of opportunity, M/F/D/V.





MAYO CLINIC
Rochester, Minnesota
Postdoctoral Position

Two NIH funded postdoctoral positions are available to study structure and function of nicotinic acetylcholine receptors. One position focuses on the structure of the agonist binding site using protein expression, protein chemistry and structural determination and modeling. The second position combines mutagenesis with high-resolution single channel recording and kinetic analysis to investigate agonist binding, the energy landscape governing channel gating, and mechanisms by which inherited mutations alter receptor function. Seeking highly motivated applicants experienced in protein chemistry or electrophysiology. Send curriculum vitae, description of research interests and names of three references to:

Steven M. Sine, PhD
Mayo Clinic
1-135 MS

200 First Street SW
Rochester, MN 55905

Email: sine@mayo.edu

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

Mayo Foundation is an affirmative action and equal opportunity employer and educator.

FACULTY POSITIONS
Cellular and Molecular Pharmacology

The Department of Pharmacology at the Robert Wood Johnson Medical School - University of Medicine & Dentistry of New Jersey, invites applications for tenure-track positions at the level of Assistant Professor. These positions offer competitive salaries and start-up packages. Exceptional candidates at more senior levels with strong research programs will also be considered. Preference will be given to candidates whose research involves chemical and/or molecular approaches to important problems in biology and medicine. Candidates will be expected to teach graduate and medical students. Current research interests of the Department of Pharmacology can be accessed at <http://www2.umdj.edu/~pharm/pharmdep.htm>.

Robert Wood Johnson Medical School (RWJMS) is on the science campus of Rutgers University in semi-rural Piscataway, approximately an hour from New York City and Philadelphia. RWJMS is adjacent to the Center for Advanced Biotechnology and Medicine and the Waksman Institute of Microbiology. The Pharmacology Department also has strong ties to the Cancer Institute of New Jersey (CINJ) across the river in New Brunswick. There are more than 200 active research groups on our campus, and many of the world's major pharmaceutical companies are nearby.

Applicants should submit their curriculum vitae, future research plans, reprints or preprints of no more than three significant publications, and three letters of recommendation to: **Dr. N. Ronald Morris, c/o Brenda Dunlop, Chair of the Search Committee, Department of Pharmacology, Robert Wood Johnson Medical School - UMDNJ, 675 Hoes Lane, Piscataway, NJ 08854. UMDNJ**, is an Affirmative Action/Equal Opportunity Employer, M/F/D/V, and a member of the University Health System of New Jersey. Regrettably we can respond only to those candidates chosen for an interview.



UMDNJ
 UNIVERSITY OF MEDICINE &
 DENTISTRY OF NEW JERSEY

Visit our website at:
<http://www.umdj.edu/hrweb/>



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.

SMITH COLLEGE



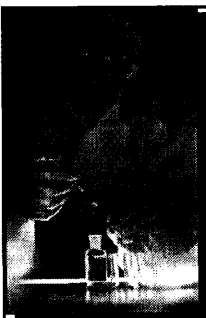
SMITH COLLEGE
**Clare Boothe Luce Assistant/
 Associate Professor of Computer
 Engineering**

Smith College invites applications and nominations for the Clare Boothe Luce Assistant/Associate Professor of Computer Engineering. This will be a tenure-track position jointly held in the Picker Engineering Program and the Department of Computer Science. Successful candidates will be instrumental in structuring and launching the new engineering curriculum and be able to teach in the general area of computer/electrical engineering. They will also be expected to sustain nationally respected research programs in areas such as: hardware design, computer architecture, system security, control systems, digital signal processing, systems engineering, networks, VLSI design, robotics, nanotechnology, and biochips. This position is funded, in major part, by the Clare Boothe Luce Foundation. As a result, applicants must be U.S. citizens, female, and hold a Ph.D. in an appropriate field. We are especially soliciting applications from scholars who will develop innovative approaches to engineering education that capitalize on an intimate liberal arts environment. Smith College, consistently ranked as one of the nation's top liberal arts colleges, is the first women's college to offer a major in engineering. A rigorous program of study will lead to a B.S. degree in Engineering Science. ABET accreditation will be sought. Send a curriculum vitae, list of five references and personal career statement that includes the candidate's philosophy regarding the teaching of engineering in a liberal arts environment to:

Chair, Computer Engineering Search Committee, Picker Engineering Program, 51 College Lane, Smith College, Northampton, MA 01063. Applications from members of underrepresented groups are especially welcomed. Review of Applications will begin on October 15, 2001.

The position will remain open until a suitable candidate is identified.

SMITH COLLEGE IS AN EQUAL OPPORTUNITY EMPLOYER ENCOURAGING EXCELLENCE THROUGH DIVERSITY.



Pierce Chemical Company, a global leader in providing biotechnology products and fine research tools to life scientists throughout the world, seeks the following professionals to join our busy R&D team in Rockford, IL, headquarters to our Boston Technology Center.

Post Doctoral Research Fellows 2 Positions - Rockford, IL

Pierce Rockford seeks two Post Doctoral Research Fellows, one in Fluorescent Detection & Assay Development and one in Protein-Protein Interaction & Assay Development. Qualified candidates will develop products in a timely manner as the Technical Leader working with a team of scientists, including biochemists, organic chemists, manufacturing chemists, quality assurance chemists and other research and development support. Qualifications:

Ph.D. in Biochemistry, Chemistry or related Life Science field with an emphasis on protein characterization or fluorescent assays with 0-2 years experience, a demonstrated scientific background in the areas of protein-protein interaction or fluorescent detection, the desire to work in an industrial setting, and demonstrated ability to design experiments and to compile a research plan.

Scientist - Proteomic Arrays Boston, MA

Qualifications: Ph.D. in Protein Biochemistry, Immunology, or related field, with 3-6 years relevant experience in immunoassay development. Experience with High Throughput Screening and Gene Expression Assays highly preferred.

Pierce offers a very competitive salary; company-paid medical, dental and life insurance; and a company-sponsored 401(k) plan. Relocation assistance may be available. Please contact:

PIERCE PIERCE
ENDOGEN
brands of **QIB**
PERBIO

Joe LaPointe • Director, Human Resources
Pierce Chemical Company • 3747 North Meridian Road
Rockford, IL 61101-9316 • Fax: 815-968-3556
e-mail: joseph.lapointe@piercenet.com
www.piercenet.com
EOE/Non Smoking Environment



VIROLOGIST

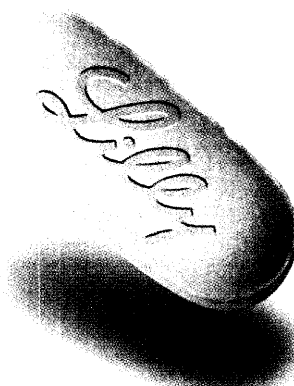
The U.S. Department of Agriculture, Agricultural Research Service has an immediate opening (ARS-X1W-1432) for a permanent, full-time research scientist to investigate virus-host interactions in livestock. We seek an exceptional individual with the potential to study fundamental problems of viral infection. Candidates with broad backgrounds in virology, genetics, immunology, molecular and cell biology, or biochemistry, are encouraged to apply. The successful candidate will join a department of integrated, multi-disciplinary scientists investigating pathogenic microorganisms of livestock. A Ph.D. or Ph.D./DVM and U.S. citizenship are required. Starting salary is \$51,927-\$80,279 per annum, depending on experience. Starting date is negotiable. Applications will be accepted until September 17, 2001.

The position is in the Animal Health Research Unit (AHRU) at the U.S. Meat Animal Research Center (MARC, <http://www.marc.usda.gov>) near Clay Center in south-central Nebraska (<http://visitnebraska.org>). MARC employs approximately 250 personnel, including more than 70 scientists conducting research on diseases, genetics, nutrition, and other important issues of livestock production. AHRU is housed in a modern, well-equipped building with laboratories adjacent to the Great Plains Veterinary Educational Center. AHRU maintains strong, intramurally, well-funded programs in infectious diseases, focusing on enteric and respiratory pathogens. In addition, AHRU has a strong history of acquiring extramural funding. MARC has a leading program in livestock genomics and opportunities to investigate infectious disease using genomics related approaches exist. Animal resources include state-of-the-art management facilities and large research herds (presently 6,500 beef cattle, 3,000 sheep, and 700 breeding sows) located on 35,000 acres.

For further program or application information, prospective candidates may contact:

Dr. James Fox
(fox@email.marc.usda.gov)
P.O. Box 166, State Spur 18D
Clay Center, NE 68933
Fax: 402/762-4375

ARS is an Equal Opportunity Employer.



The cure for a common career.

As one of the largest biotech companies in the world, we offer unprecedented opportunities for scientists and engineers to do great things. Add to that a whopping amount of creative freedom and the chance to work with knowledge achieved through cutting-edge efforts, and it's no wonder we've reached a level of excellence other companies only dream of. The cure for a common career? You could say that.

OUR QUALITY CONTROL GROUP IS EXPANDING TO SUPPORT OUR ROBUST PIPELINE OF PRODUCTS. AVAILABLE OPPORTUNITIES INCLUDE:

QUALITY CONTROL REPRESENTATIVE

Responsibilities of this position include providing leadership; approving products; and interpreting and applying regulations, policies, and guidelines. A BS or MS in chemistry, biochemistry, microbiology, pharmacy, engineering, or related field; 2+ years' manufacturing experience in the pharmaceutical, chemical, or food industries; and knowledge of manufacturing practices required.

QUALITY ENGINEER

Primary responsibilities include supporting development and manufacturing operations and facilities; providing technical guidance and leadership on quality standards; and ensuring that facilities, utilities, systems, and equipment are designed, installed, and maintained to be compliant with current Good Manufacturing Practices (FDA). A BS or MS in engineering is required. Candidates must also have 2+ years' manufacturing experience in the pharmaceutical, biotech, chemical, or food industry.

QUALITY CONTROL ANALYST

Ensure compliance with Lilly and agency standards, troubleshoot and assist in investigations, train and coach laboratory personnel, improve assay and laboratory performance, and design experiments. Requirements include a BS or MS in a science-related field and 2+ years' experience in HPLC, GC, and instrumental methods. Experience in analytical laboratory and/or the pharmaceutical industry desired.

We are an equal opportunity employer who recruits, hires, trains, and promotes persons in all job titles without regard to race, color, religion, national origin, age, disability, or veteran status. Please reference code **ADSCMQCR** when applying online.



lilly.com/careers

Lilly

Answers That Matter.



New York University

TENURE-TRACK POSITIONS

Department of Chemistry FACULTY OF ARTS AND SCIENCE

The Department of Chemistry at New York University invites applications for two full-time, tenured or tenure-track positions, open-rank to start September 1, 2002, pending final administrative and budgetary approval. The Department is undergoing a major development effort that includes multiple faculty appointments and major improvements in laboratory and instrumentation facilities.

EXPERIMENTAL CHEMISTRY

Applicants should have a very strong research record and be committed to teaching. Individuals in all areas of experimental organic, bioorganic, or biophysical chemistry will be considered, with specializations in areas such as, but not restricted to, neurochemistry, genomics and proteomics, materials science, environmental chemistry, and nanotechnology.

THEORETICAL CHEMISTRY

The Department has a highly active theoretical/computational group, with interests ranging from quantum dynamics of chemical reactions, clusters, and condensed phases, to Monte Carlo and molecular dynamics simulations of biological macromolecules. Applicants should have a very strong research record and be committed to teaching. Individuals in all areas of theoretical chemistry will be considered, but areas that complement current efforts are especially welcome. These include ab initio electronic structure methods, quantum and molecular mechanics and dynamics methods applicable to large, complex systems, including biological systems, materials, atmospheric/environment, and biomolecular chemistry.

Candidates should submit applications including a CV, a list of publications, a statement of future research plans, and three letters of reference. The Search Committee will begin reviewing applications in early Fall. To guarantee early consideration, application materials should be received by **October 15, 2001** and addressed to: **Faculty Search Committee (Theoretical or Experimental Chemistry), Department of Chemistry, New York University, 100 Washington Square East, New York, NY 10003**. Please visit our website at: <http://www.nyu.edu/pages/chemistry>

NYU is an Equal Opportunity/Affirmative Action Employer.

Assistant Professor

The Psychology Department expects to fill a tenure-track position at the assistant professor level for the 2002-03 academic year. The candidate's area of expertise should be in cognition of social phenomena, including, but not limited to, beliefs, judgement/choice, regulation, and emotion. Researchers pursuing cross-cultural or evolutionary approaches to these questions are particularly encouraged to apply. The appointment will begin July 1, 2002. Review of applications will begin September 15, 2001, although later applications will be considered until the position is filled.

Interested applicants should submit a letter of application indicating specific research interests, a curriculum vitae, reprints or preprints of completed research, and letters of recommendation sent directly from three referees to:

**Secretary, Psychology
Search Committee
Department of Psychology
284 Uris Hall
Cornell University
Ithaca, NY 14853-7601, USA**

**E-mail: mld17@cornell.edu
Fax: 607 255-8433 Voice: 607 255-4152**

Applications from women and minority candidates are especially welcome. Cornell University is an Equal Opportunity/Affirmative Action Employer and Educator.

<http://www.cornell.edu>
<http://chronicle.com/jobs/profiles/002711.htm>

STRUCTURAL BIOLOGIST

The Section of Molecular and Cellular Biology, Division of Biological Sciences, University of California, Davis, invites applications for **ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR OR PROFESSOR**.

The Section of Molecular and Cellular Biology, in collaboration with the Department of Chemistry, has recently established an excellent group of independent investigators in x-ray crystallography and NMR spectroscopy who are supported by state-of-the-art core facilities for structural biology and protein expression as part of the W. M. Keck Center for Structural Biology. The Section wishes to build upon this progress by recruiting individuals who are investigating fundamental problems in biology at the next higher level of structure, including supramolecular assemblies, and who may also use novel approaches in imaging, such as high resolution optical imaging, cryo EM, AFM, and single molecule dynamics. The assistant professorship is tenure track; appointment at either the associate professor or professor level confers tenure. The position is in the Section of Molecular and Cellular Biology. Candidates must have a Ph.D. (or equivalent) and have an outstanding record of achievement in research. Candidates for tenured appointment must have an established research program of exceptional quality whereas candidates at the assistant professor level must demonstrate potential for the development of a strong research program in structural biology. Successful candidates will be expected to teach biochemistry/molecular and/or cellular biology.

Candidates should submit a curriculum vitae, a statement of current and proposed research and arrange to have three letters of recommendation sent to: **Chair, Structural Biology Search Committee, Section of Molecular and Cellular Biology, Division of Biological Sciences, University of California, Davis, CA 95616-8519**. Closing date: open until filled but all application materials including letters of recommendation must be received before **November 1, 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.



UNIVERSITY COLLEGE LONDON

Gatsby Computational Neuroscience Unit

Director

University College London and the Gatsby Charitable Foundation are seeking a new Director for the Gatsby Computational Neuroscience Unit. The successful candidate would also be considered for appointment to the Chair of Computational Neuroscience at UCL. The Unit is one of the leading computational neuroscience centres in the world with staff having minimal teaching responsibilities. It is based in Queen Square, London in very close proximity to the Institute of Cognitive Neuroscience, the Functional Imaging Lab and the Institute of Neurology. Currently four senior staff, five postdoctoral researchers and ten PhD students receive substantial long-term funding from the Foundation.

The Director will be expected to provide scientific direction and intellectual leadership. His/her breadth of interests will be more critical than the specific research area. Applications are invited from scientists who can lead a group on computationally and theoretically sophisticated research within the broad area bounded by neuroscience, cognition and machine learning. Salary will be at a level appropriate to the international standing of the successful applicant.

Applications including a CV should be sent to Janice Hanks, Gatsby Computational Neuroscience Unit, UCL, Alexandra House, 17 Queen Square, London WC1N 3AR or by email to janice@gatsby.ucl.ac.uk Enquiries or expressions of interest to t.shallice@ucl.ac.uk

For further information on the Unit see www.gatsby.ucl.ac.uk.

The closing date for applications is **Monday, 3rd September 2001**.

Working Toward Equal Opportunity

PREPARATORY COMMISSION FOR THE
COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION (CTBTO)
PROVISIONAL TECHNICAL SECRETARIAT



The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization with its Headquarters in Vienna is the international organization setting up the global verification system foreseen under the Comprehensive Nuclear-Test-Ban Treaty (CTBT), which is the Treaty banning any nuclear weapon test explosion or any other nuclear explosion. The Treaty provides for a global verification regime, including a network of 321 stations worldwide, a communications system, an international data centre and on-site inspections to monitor compliance.

We seek to recruit a highly qualified **Geophysicist/Seismologist** with proven managerial experience to lead a team of about ten scientific experts responsible for:

- Provision of services to States Signatories with data and products of the verification regime at the CTBTO;
- Review and quality control with regard to all automatically and interactively produced seismic/acoustic and radionuclide products of the International Data Centre;
- Integration and fusion of products from the seismic, hydroacoustic and infrasound and radionuclide monitoring units and report about all events identified as detected by both seismic/acoustic and radionuclide technologies.

Services to State Signatories include:

- Support of continuous monitoring and reporting on operational status of all technical facilities of verification system;
- Technical assistance to data centres designated by National authorities in organization of acquisition and routine processing of seismic/acoustic and radionuclide data produced by International Monitoring System (IMS) and analyzed by International Data Centre (IDC), national event screening, in-depth technical analysis of IMS and other relevant data.

POST: Head, Fusion, Review and Services Unit
GRADE: P-5

VACANCY ANNOUNCEMENT NO: VA63-28-2001/Rev.1

DATE OF ISSUANCE: 28 May 2001

DEADLINE: 21 September 2001

REPORTING DATE: As soon as possible

QUALIFICATIONS:

Advanced university degree in geophysics or a related field. At least seven years of relevant working experience in the field of observational seismology, hydroacoustic or infrasound preferably including a good knowledge of UNIX Operations Systems and SQL. Fluency in English and a good working knowledge of at least one other of the official languages of the CTBTO Preparatory Commission. Excellent communication skills in English are essential.

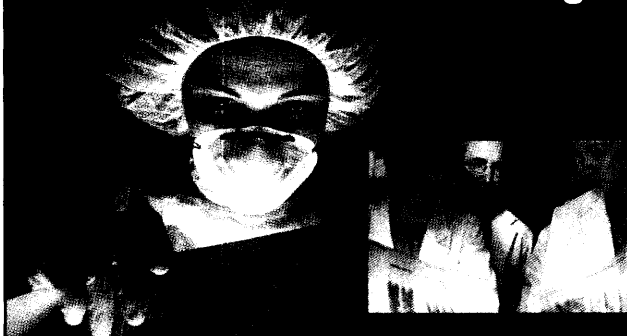
REMUNERATION/CONTRACT:

Depending on professional background and experience, indicative taxfree annual net base salary (inclusive of a variable element for post adjustment) from US\$ 58,908.- (without dependants) and US\$ 63,258.- (with dependants), subject to deductions of contributions to the CTBTO Provident Fund and Health Insurance Scheme. Additional benefits include, when applicable, dependency allowance, education grant for children, rental subsidy, six weeks vacation per year, home leave travel every two years. Initial contract for fixed-term of three years.

For more information, see the CTBTO Preparatory Commission's home page: <http://www.ctbto.org>. When applying, please quote the number of the vacancy announcement and complete the CTBTO Preparatory Commission's Personal History Form, which is obtainable from the home page. Please only e-mail ASCII text-formatted messages and attachments. If the form is not available, send a detailed curriculum vitae, including information on date of birth, nationality, employment history and references. Please note that it is in your interest to supply a complete and updated set of personal data. The CTBTO Preparatory Commission retains the discretion not to make any appointment to this vacancy, to make an appointment at a lower grade in particular if the selected candidate has less than the qualifications required or to make an appointment with a modified job description or for a shorter duration than indicated above. The CTBTO Preparatory Commission reserves the right to undertake correspondence only with short-listed candidates. CTBTO Preparatory Commission, Personnel Section, Vienna International Centre, Room E0978, P.O. Box 1200, A-1400 Vienna. Tel: (43.1) 26030 6210. Fax: (43.1) 26030 5897. E-mail: personnel@ctbto.org

THE PREPARATORY COMMISSION FOR THE COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION IS COMMITTED TO A POLICY OF EQUAL EMPLOYMENT OPPORTUNITY. APPLICATIONS FROM QUALIFIED FEMALE CANDIDATES ARE PARTICULARLY ENCOURAGED.

Whole Genome Scanning



Discovering the genetic basis
of complex disease to improve lives

At Perlegen Sciences, we possess a high-density, whole-wafer, microarray technology that enables us to compare the entire genomes of thousands of diseased and healthy individuals in order to associate genetic regions with important phenotypes. We invite you to consider joining our unique company as we apply this technology to bring focus to biological research and to accelerate the discovery of drugs and diagnostics.

Recently established, we are a well-funded, pre-IPO company that is moving quickly, building a world-class team that includes:

- genetic epidemiologists
- experts in scanning and optics
- laboratory automation engineers
- software analysts and programmers
- molecular biologists

If you possess inventive skill in these areas and would enjoy working in a cross-disciplinary culture that encourages creativity and challenges intellectually, we'd love to hear from you. Please mail your resume to Perlegen Sciences, 3380 Central Expressway, Santa Clara, CA, 95051. Fax to 408-731-5455. Or email to perlegen_HR@Perlegen.com.

For more information on these positions and other opportunities, visit our website at www.perlegen.com. EOE.





New York University

BRAIN IMAGING CENTER

The new Brain Imaging Center at New York University, located in the Faculty of Arts and Science (FAS), is devoted to research on the brain using Magnetic Resonance Imaging (MRI). A 3T Siemens Allegra scanner is scheduled for delivery in Fall 2001. The Center has the following positions available:

SCIENTIST WITH EXPERTISE IN MRI PHYSICS

Assistant/Associate Professor

Applications are invited for a faculty position with expertise in MRI Physics. The successful candidate will be expected to collaborate with scientists from various FAS and Medical School departments (Neural Science, Psychology, Radiology, Chemistry, Biology, and Mathematics) on brain imaging experiments, and also to develop an independent research program and contribute to instructional programs. This tenured or tenure-track appointment is expected to be made at the Assistant or Associate Professor level and may be joint between two appropriate science departments, pending final administrative and budgetary approval. The expected starting date is January or September, 2002.

RESEARCH SCIENTIST

Applications are invited for the position of Research Scientist. Applicants should have a degree in the physical sciences, and MRI experience; preference will be given to those with experience in functional MRI. The Research Scientist will have major responsibilities in the Center and will collaborate with scientists from various FAS and Medical School departments (Neural Science, Psychology, Radiology, Chemistry, Biology, and Mathematics) on brain imaging experiments. The expected starting date is January 1, 2002. Salary will be commensurate with experience.

Please send applications (indicating position of interest) including a CV, list of publications, and a statement of research interests to: **MRI Search Committee, Center of Neural Science, New York University, 4 Washington Place, New York, NY 10003.** Applications will be reviewed beginning September 1, 2001. Candidates should arrange to have three letters of reference transmitted directly to the above address.

NYU is an Equal Opportunity/Affirmative Action Employer.

CURIS, Inc., located in CAMBRIDGE, Massachusetts, is developing products based on technologies in the emerging field of regenerative medicine. The Company is combining insights gained through the study of developmental biology with high-throughput screening capabilities, proteins, cells, and biocompatible materials to facilitate the development of new generative medicine therapies.

Neuroscientist/Neuropharmacologist

Job Codes: NHP230-MS and/or PHN340-MS

Join in the identification and development of novel therapeutics for neurological disorders using insights from developmental biology. Two positions, in the Neuroscience and Pharmacology groups, are available. Candidates should have a record of accomplishment in neuroscience, with a Ph.D. and/or M.D. Post-doctoral experience is preferred, but other candidates with an exceptional record of achievement will be considered. Successful candidates will perform research related to topics such as cell survival, regeneration, and cell therapy. Experience within vivo neural injury/disease methodologies is highly preferred (required, for the Pharmacology position). Experience in the study of neuronal and glial development and function in cell culture is desirable.

Research Assistant/Associate - Neuroscience

Job Code: RAN230-MS

Experience in neuroscience research is required; experience in vivo disease modeling is highly preferred. Experience in the following areas is desirable: molecular biology (e.g., RNA analysis; PCR); cell culture (sterile technique); small animal handling and surgery (stereotaxic brain injections); microdissection; histology (immunostaining, in situ); microscopy. General familiarity with computers (Excel; data analysis) is essential. The successful candidate will have an M.S. or a B.S. plus appropriate experience. [Note, this position does not include relocation expenses.]

Please send resume and cover letter referencing job code to: **Leslie Allen, Human Resources Representative, CURIS, Inc., 21 Erie Street, Cambridge, MA 02139; Fax (617) 499-2927; e-mail: jobs@curis.com**



WWW.CURIS.COM

BIOLOGY FACULTY POSITIONS

San Diego State University

Two senior level positions will be available in the Biology Department at San Diego State University for appointments beginning as soon as the Fall of 2002. Successful applicants should have an established externally funded research program.

Molecular Cardiovascular Physiologist

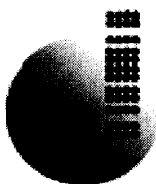
The Department of Biology and the SDSU Heart Institute seek an individual employing state-of-the-art cell, molecular and whole animal approaches to address functional aspects of cardiovascular physiology. Research expertise must include transgenic and/or knock-out mouse model systems. Desirable research interests include cell and molecular biology of cardiovascular function in transgenic animal models, gene therapy in cardiovascular disease, molecular biology of cardiac growth and development, genetic models of cardiovascular disease and cell physiology of cardiac myocytes, arteriole wall cells and/or other cells involved in cardiovascular function.

Pathogenic Microbiologist

The Department of Biology seeks an individual employing state-of-the-art microbiological, cell and molecular approaches to the study of pathogen-host interactions, preferably viral, bacterial or lower eukaryotic pathogens. The successful candidate will have the opportunity to become a member of the Center for Microbial Sciences currently being established at SDSU. Desirable research areas include cell adherence and invasion; induction of cell signaling or other cellular responses by pathogens; identification, analysis and regulation of virulence genes or molecular mechanisms of drug resistance; identification of novel antibiotics or antivirals; and/or development of new vaccines.

The successful candidate is expected to participate in our M.S. and Ph.D. programs, and to contribute to our undergraduate and graduate teaching programs. More information on both positions is available on the internet at <http://www.bio.sdsu.edu/fac-recruitment>. Review of applications will begin on September 24, 2001 and will continue until the positions are filled. Applicants for either position should submit a curriculum vitae, separate statements of research and teaching interests, 3 representative publications and arrange for 3 letters of recommendation to be sent to the **Molecular Cardiovascular Physiology or Pathogenic Microbiology Search Committee, at the Department of Biology, San Diego State University, San Diego, CA 92182-4614.**

SDSU is proud of our diverse student population. *SDSU is an Equal Opportunity employer and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, marital status, age or disability. Women, ethnic minorities and persons with disabilities are encouraged to apply.*



THE CENTER FOR GENOMICS AND BIOINFORMATICS

The CGB is expanding and has exciting opportunities for motivated scientists at all levels (graduate student-scientist). We are seeking candidates for several positions including the following:

Deputy Director: Internship

This is a two-year position for an individual with a strong scientific background (Ph.D.) who is a good writer and speaker. It is an opportunity to become expert in contemporary genomics and bioinformatics while participating in the scientific work of the Center and developing administrative skills. The successful applicant will write descriptions of the Center's work, draft portions of grant proposals, provide web site content, coordinate seminar programs, provide assistance to collaborating faculty and students, and speak to public groups.

Research Associate: Genomics

The successful applicant will assist in managing the newly equipped genomics facility and will undertake research in functional genomics or new genomics technologies. A detailed job description can be tailored to suit a candidate's particular interests.

Postdoctoral Position: Drosophila Functional Genomics

The successful applicant will work with Dr. Justen Andrews, investigating sex-specific gene regulation in the *Drosophila* germline, using microarray analyses and targeted studies of key regulators (Genome Research 10: 2030-2043; Development 127: 881-892).

Bioinformatics Positions

Experienced bioinformaticians are sought to work on areas of software, database and information systems engineering, Unix system administration, and computing support for bioscientists. You can join our active engineering of public genome information systems, Internet data-grids, microarray systems, bioinformatic analyses and knowledge services. Job descriptions can be tailored to meet individual interests and qualifications.

Further information is available at <http://cgb.indiana.edu/>, and interested candidates may also write to us at cgb-jobs@bio.indiana.edu. Applications will be accepted until the positions are filled, and those received by 9/1/01 will be assured full consideration. Please submit a CV and a description of your background and interests to cgb-jobs@bio.indiana.edu, or The Center for Genomics and Bioinformatics, Indiana University, 1001 E. 3rd St., Bloomington, IN 47405. *Indiana University is an Affirmative Action/Equal Opportunity Employer.*

INDIANA UNIVERSITY, BLOOMINGTON

GLOBAL OPPORTUNITIES



Research Institute of Innovative
Technology for the Earth

The Global Environment: Invitation for RITE Research Proposals

Research Institute of Innovative Technology for the Earth (RITE) is inviting basic research proposals dealing with global environmental problems. Also, research proposals deemed to contribute significantly to the resolution of global environmental problems will be supported by RITE in the form of entrusted research.

1. Category of Research Basic research aimed at the development of innovative technologies which will contribute to the solution of global environmental problems.

2. Themes of Research

[A] Research concerning carbon dioxide, methane and other greenhouse gases considered to be the primary causes of global warming:

- 1) Efficient separation, recovery, disposal, re-use etc. of greenhouse gases.
- 2) Innovative process technologies which limit greenhouse gas generation.
- 3) Research concerning enhancement of CO₂ sinks (e.g. ocean sink, underground storage and reforestation through biotechnology).

[B] Research on other technologies concerning global environmental problems as follows:

- 1) Control of the generation and widespread release of chemical substances, apart from the greenhouse gases mentioned in [A], which are seriously detrimental to the environment, or detoxification of those substances.
- 2) Substitutes for the chemical substances mentioned above.
- 3) Recycling and effective utilization of materials.

3. Number of Research Proposals to be Accepted The number of research proposals to be accepted will be determined after the governmental budget for FY 2002 has been confirmed. Thirteen new research proposals have been accepted for FY 2001.

4. Research Expenses for Entrusted Research Up to 10 million Japanese yen will be allocated for each research proposal, although the entire cost of research proposal may not be covered by RITE. Research expenses distributed for the research proposals accepted in FY 2001 ranged from 2.5 million to 7.0 million Japanese yen per research proposal, with an average of 6.27 million yen.

5. Deadline for the Submission of Applications Applications must be received by RITE no later than **October 31 2001**.

Applications received past deadline will not be accepted.

6. Period of the Entrusted Research Period of the entrusted research will be from the concluded date of contract to March 2003. If continuation is deemed necessary, however, RITE may entrust for the next year.

7. Qualified Research Participants Individuals or groups engaged in research activities at research institutions etc. are eligible. The applicants' citizenship or proposed site for the research will not be considered as criteria for selection.

8. Application Procedure Application form and guideline can be downloaded from our Web-site. If you cannot do that, please contact the RITE Section (as below). E-mail is preferred for speed of communication. Please include relevant Tel. and Fax. numbers with requests.

**Research Proposals Reception Section
Research Planning Department
RITE**

**9-2 Kizugawadai, Kizu-cho, Soraku-gun,
Kyoto 619-0292 JAPAN**

TEL: +81-774-75-2302 FAX: +81-774-75-2314

e-mail : proposal@rite.or.jp home page: (URL)<http://www.rite.or.jp/>



Postdoctoral Position in Gene Therapy

at Mount Sinai School of Medicine

MOUNT SINAI
SCHOOL OF
MEDICINE

A postdoctoral position is available at the Institute for Gene Therapy and Molecular Medicine. Our main focus is the development of non-immunogenic persistent viral vectors for *in vivo* gene delivery. We recently reported the development of a system that allowed generating and producing of fully deleted ("gutless") adenovirus vectors, which were free of the helper virus. Further studies should be directed toward identification and testing of *cis* and *trans* elements that may improve the efficacy of vector production and persistence of such vectors *in vivo*. These findings will also be applied for the development of novel fully deleted vectors based on non-human adenoviruses. The successful candidate will work in a well-funded and state-of-the-art lab equipped with the most advanced technology.

We are looking for a highly enthusiastic and creative individual with demonstrated experience in molecular and cell biology eukaryotes. Expertise in recombinant DNA technology is required. Computer skills and ability to work with DNA databases and DNA analysis software are desirable. Experience in virology and cell culture and/or protein-protein and protein-DNA interaction will be an advantage but is not absolutely required.

Please send your resume to: **Dr. Valeri A. Krougliak, Assistant Professor, Institute for Gene Therapy, Mount Sinai School of Medicine, Box 1496, One Gustave L. Levy Place, New York, NY 10029. Fax: 212-849-2437. E-mail: valeri.krougliak@mssm.edu. Visit our web site at www.mountsinai.org. EOE.**



Geneticist (Plants), GS-0440-12/13/14

The USDA, Agricultural Research Service, North Central Regional Plant Introduction Research Unit, Ames, IA is recruiting a Geneticist. The incumbent will serve as the Germplasm Enhancement of Maize (GEM) Coordinator/Maize Breeder. Objectives for GEM in collaboration with stakeholders and other researchers, include: (1) coordination of research for an international public/private effort to identify and develop maize germplasm that will aid in diversifying the genetic base of U.S. corn production; (2) identification, development and release of high performing maize lines with improved value for feed, food, and industrial use; (3) development of experimental approaches to accomplish needed evaluations of maize materials, resulting in development of better utilization targets; and (4) development and management of a GEM information database to enhance potential utilization. Knowledge of plant breeding and genetics is required. A Ph.D. or equivalent maize breeding experience is preferred. Salary is commensurate with experience (\$51,927 to \$94,862 per annum). U.S. citizenship is required. For additional information see the vacancy announcement (ARS-X1W-1401) on our website at www.ars.usda.gov or contact **Dr. C.A.C. Gardner, Research Leader, 515-294-3255 or gardnerc@iastate.edu**. For general information on application procedures and forms, contact **Barbara Henry, 515-663-7277**. Applications must be postmarked by September 24, 2001.

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



EAWAG

The Department of Systems Analysis, Integrated Assessment and Modelling (SIAM) of the Swiss Federal Institute of Environmental Science and Technology (EAWAG) has the following openings:

- **Tenure Track Position** in Modelling of Socio-Techno-Economic Systems with a special focus on Agent Based Models
- **Postdoc Position** for Integrative Modelling of the Effects of River Revitalization and Flood Protection Measures
- **PhD Position** in Biogeochemical Lake Modelling
- **PhD Position** in Integrated River Basin Modelling

Detailed descriptions of these positions are available on our homepage at http://www.eawag.ch/research_e/siam. Please send your application to Mrs. Karin Ghilardi, EAWAG, POB 611, CH-8600 Dübendorf, Switzerland.

FACULTY POSITIONS

Department of Biochemistry
and Biophysics
University of California,
San Francisco

The Department of Biochemistry and Biophysics seeks candidates for tenure track faculty positions, preferably at the Assistant Professor level. We seek exceptional individuals working in two areas: modern cell or developmental biology and structural biology.

Candidates are expected to hold a Ph.D. or M.D. degree, or equivalent, and to have demonstrated achievement in their fields. The successful candidate will be expected to establish a dynamic research program and to be an excellent teacher in both graduate and professional school courses.

Applicants should submit a curriculum vitae, a 1-2 page summary of research accomplishments, a 1-2 page description of future research plans, and copies of major publications. Applicants should also have three to five letters of recommendation forwarded to the chair of the search committee. The address for submission of all materials is: **Faculty Search Committee, Attn: Connie Chiu, Department of Biochemistry and Biophysics, University of California, San Francisco, CA 94143-0448**

Applications received after December 31, 2001 may not be considered.

Our department is eager to diversify its faculty and we encourage women and minorities to apply. The University of California, San Francisco is an Equal Opportunity/Affirmative Action Employer.

Postdoctoral Research Fellowship

(2 years) available immediately. To undertake research into the molecular regulation of eicosanoid, cytokine and vascular mediator biosynthesis, metabolism and action into the mechanisms of parturition. A strong background in cytokine research with an emphasis on signalling pathways and practical experience with cell culture, standard biochemical and molecular techniques, immunoassays and signal transduction pathways is preferred.

**www.nzjobs.co.nz/auckland.ac
for further details or
Professor Murray Mitchell
m.mitchell@auckland.ac.nz
Please quote Vacancy
Number 1316SNC in all
correspondence.**

**Cancer Biology / Immunology
Faculty Position
University of Oklahoma
College of Medicine**

The Dept. of Cell Biology is seeking an innovative scientist with research interests related to cancer. Scientists interested in cancer immunology or the use of immunologic methods in studying cancer are especially encouraged to apply. The successful candidate will join a rapidly growing department with strong interactions with faculty of the five basic science departments in the medical school, the College of Pharmacy, the Oklahoma Medical Research Foundation, and have the opportunity to become part of the newly established Cancer Center at the OUHSC. Limited teaching in the Graduate and Medical School will also be required. Candidates must have a Ph.D. or M.D. and a strong record of research excellence. This tenure-track position will be filled at the level of Assistant, Associate or Full Professor dependent on qualifications. High-quality research space, a competitive salary and an attractive start-up package are available.

Submit Curriculum Vitae, a statement of research interests and accomplishments, and names of at least three references to: **Dr. Marie H. Hanigan, Search Committee Chair, Department of Cell Biology, University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, OK, 73190.** Visit our web site at http://w3.ouhsc.edu/cell_biology/.

OUHSC is an Equal Opportunity/Affirmative Action Employer.



**Assistant Professor
Positions
Department of Biology
Texas A&M University**

As part of a University-wide expansion of life sciences at Texas A&M University, the Department of Biology invites applications for three tenure-track Assistant Professor positions. We seek ambitious scientists who wish to pursue fundamental biological questions using model systems.

One position is specifically dedicated to a tenure-track assistant professor in the area of **Plant Genetics or Genomics**. The two remaining positions are open with respect to research emphasis. Biologists who take modern, innovative approaches to basic research in any area are encouraged to apply. We are particularly interested in those who will enhance existing programs in **Biological Clocks, Cell Biology, Developmental Biology, Microbial Genomics and Plant Molecular Biology**.

Successful candidates will be expected to establish vigorous, extramurally funded research programs and to be active in graduate and undergraduate teaching. For full consideration, applicants should submit curriculum vitae, statement of research and teaching interests, and three letters of recommendation by October 1, 2001 to: **Faculty Search Committee, Department of Biology, Texas A&M University, 3258 TAMU, College Station, TX 77843-3258.** Information about our department can be found at www.bio.tamu.edu.

Texas A&M is an Equal Opportunity Employer and has a policy of being responsive to the needs of dual-career couples.



Passion for Brilliance.

You'll find it at Roche.

In the world of

healthcare, few

companies are in

a position to do so

much for so many as

Hoffmann-La Roche.

Our mission is to identify

and satisfy the healthcare

needs of the world. In our

never-ending quest for

innovative products, we

exercise imagination,

ingenuity and an

uncompromising pursuit

of discovery.

At Hoffmann-La Roche, our research is done with the sole purpose of improving human lives across the globe. Through the development of new pharmaceuticals and treatments, we are relieving suffering, saving lives and enhancing the quality of life for millions of people. Key to this pursuit are the researchers of our drug discovery teams. While working with a broad array of technologies on the frontier of pharmaceutical science, they create for themselves singular careers not available anywhere else.

**Sr. Principal Scientist – Obesity
(Metabolic Diseases Dept.)**

You will assume direct responsibility for one or two discovery programs; provide strategic guidance in the area of obesity research; and play a pivotal role in and interact with other functional areas such as genomics, business-licensing, and the discovery technology group. To qualify, you must possess a Ph.D. along with 5-10 years' post-doctoral training (ideally, some of which in an industrial setting). You must also be a results-oriented individual who is familiar with the drug discovery process. A background in obesity, NIDDM or cardiovascular disease is required; experience with lipid metabolism is highly preferred. Please refer to **Position SCI0229FM** on resume.

Principal Scientist – Oncogenomics

The Department of Preclinical Oncology is seeking a Ph.D.-level Scientist with 2+ years' post-doctoral experience in Cancer Genetics, Cancer Pharmacology, or a closely related field. The successful candidate will lead a multi-disciplinary team dedicated to applying genomics/genetics for the evaluation of molecular targets and the development of small molecule therapeutics. A strong background in cancer biology and an interest in experimental therapeutics are required. Excellent communication and interpersonal skills are essential, and proficiency with methods in bioinformatics is highly desirable. Please refer to **Position SCI010283FM** on resume.

Computational Chemist

As part of an interdisciplinary team, you will be responsible for providing molecular modeling support for lead identification and optimization in discovery research projects. To qualify, you must have a Ph.D. in Chemistry, Biophysics or a related field, along with 0-3 years of experience in the biotech/pharmaceutical industry. Expertise in several of the following areas is required: homology modeling; molecular docking; structure-based ligand design; combinatorial library design; pharmacophore hypothesis generation; and QSAR. Programming skills and a background in Organic Chemistry are highly desirable. Please refer to **Position SCI-0286FM** on resume.

As one of *NJ Monthly's* "Best Companies to Work for in New Jersey," we offer competitive salaries and an outstanding benefits package that includes on-site childcare and a state-of-the-art fitness center. For consideration, please forward your resume and salary requirements to: **Hoffmann-La Roche, Inc., PR&D Human Resources, 340 Kingsland Street, Nutley, NJ 07110; fax: 973-235-2767; or email: nutley.research@roche.com.** We appreciate your interest in Hoffmann-La Roche but can only respond to qualified candidates. We are an equal opportunity employer, fully committed to diversity in the workplace.

Roche

www.RocheUSA.com

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

POSTDOCTORAL FELLOWSHIP

High-Throughput Protein Expression and Purification Structural Genomics

A postdoctoral position is available for a recent Ph.D. to spearhead the development and optimization of methods for high-throughput protein expression and purification using multiple affinity tags. The goal of this basic research project is to devise generic strategies for the production of proteins that will be suitable for large-scale structural genomics initiatives. Our collaborators include affiliates of the Northeast Structural Genomics Consortium (<http://spine.mmb.yale.edu/nesc/main.html>). Further information about this project can be found at the web site <http://mc11.ncifcrf.gov/waugh.html>. Applicants must have a solid background in a related scientific discipline and be good communicators. Self-motivated, creative thinkers are especially encouraged to apply. The salary range for this position is \$32,000-\$39,000. Cover letter and curriculum vitae may be faxed to 301-846-7148; e-mailed to waughd@ncifcrf.gov; or mailed to:

David S. Waugh, Ph.D.
Macromolecular Crystallography
Laboratory
NCI-Frederick
P.O. Box B
Frederick, MD 21702

NIH is an equal opportunity employer.

RESEARCH SPECIALIST IN LIFE SCIENCES

Department of Cell and Structural Biology University of Illinois at Urbana Champaign

Qualification: Minimum requirement: MS or BS degree in Biochemistry, Molecular Genetics or a related field and at least one year experience in DNA cloning technologies, RNA isolations, protein biochemistry and/or functional genomics.

Description: Multiple full/part-time positions (part-time position may increase at a later date) in interdisciplinary functional genomics project. The project is carried out under the direction of Dr. Schuler (CSB), Dr. Sligar (Biochemistry), Dr. Band (Biotechnology Center), Dr. Liu (Biotechnology Center) and Dr. Bohnert (Plant Biology) and includes the PCR amplification of *Arabidopsis* P450 DNA fragments for microarray analysis, screening and analysis of cDNA libraries, baculovirus and yeast expression of proteins, and the generation of transgenic *Arabidopsis* lines expressing reporter genes. Successful applicants will be familiar with molecular genetics techniques, protein biochemistry techniques, cell culture methodologies and lab management. These positions offer the opportunity to independently conduct research projects within this large multi-investigator research program.

Salary: Varies depending on qualifications.

Starting Date: As soon as possible after closing date.

Send Applications to:

Ms. Cathy Pacey (MS)
Department of Cell and Structural Biology
B107 Chemical and Life Sciences Laboratory
University of Illinois
601 S. Goodwin Avenue
Urbana, IL 61801
Phone: (217) 333-5175

Closing Date: For full consideration, applications (resume and 3 letters of reference) should be submitted by August 31, 2001. Interviews may be conducted before the closing date, but all applications received by that date will receive full consideration and the final selection will not be made until after that date.

*University of Illinois at Urbana-Champaign is an Affirmative Action,
Equal Opportunity Employer.*

Staff Scientist



The arthritis therapeutic discovery group of Procter & Gamble Pharmaceuticals has an immediate staff scientist opening for candidates with a Ph.D. in cell biology, molecular biology or biochemistry and postdoctoral experience in cartilage research.

If you meet the qualifications for this position, please apply online at www.pg.com/jobs/apply_now and refer to ad code NAUSR001142.

No agency referrals, please. Applicants must be currently living in North America.

An Equal Opportunity Employer

The staff scientist is expected to initiate new projects for the discovery of relevant targets and effective therapies for the treatment of osteoarthritis. He/she should be self-motivated, have a track record of publication in peer-reviewed journals, work well in a small, integrated team, and have excellent written/oral communication skills.

Procter & Gamble

Procter & Gamble is a Fortune 20 company that has been consistently rated as one of the "most admired" corporations in the U.S. Our annual research and development budget exceeds \$1.5 billion, with growing emphasis being placed in expanding the Health Care area. This is evidenced by our modern, world-class Health Care R&D facility outside of Cincinnati, Ohio, with outstanding chemical development capabilities in Norwich, New York. In addition, our top-rated benefits package serves to support the company's commitment to obtain and retain the best qualified scientists.

Procter & Gamble
PHARMACEUTICALS



Research Associate Position Mayo Clinic Rochester Rochester, MN

Research Associate Position is immediately available to study mechanisms of T-cell homeostasis in autoimmune diseases. Candidates should have a Ph.D. or M.D. along with experience in cellular immunology and molecular biology.

Salary will be determined by the successful candidate's experience. There is also an attractive benefit package. Mayo Foundation is a non-profit physician-led clinical practice integrated with education and research in a unified multi-campus system. For further information please visit <http://www.mayo.edu/research>. Applications, including curriculum vitae and names of three references, should be sent to:

Jörg J. Goronzy, M.D.
Departments of Immunology and Medicine
Mayo Clinic
200 First Street SW
Rochester, MN 55905
e-mail: goronzy.jorg@mayo.edu

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

POSITIONS OPEN

FACULTY POSITION EXPERIMENTAL PHYSICAL CHEMISTRY McMaster University Department of Chemistry

The Department of Chemistry at McMaster University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in experimental physical chemistry. The successful candidate will hold a Ph.D. in chemistry or a closely related discipline, preferably with relevant postdoctoral experience, and will be expected to develop a strong, externally funded research program and teach physical chemistry at both the undergraduate and graduate levels. Candidates who intend to establish a research program that includes synchrotron radiation research at the Canadian Light Source, a 2.9 GeV facility in Saskatoon, Saskatchewan, are particularly encouraged to apply. Information about beamline projects at CLS can be obtained from [website: http://cls-ccrs.usask.ca](http://cls-ccrs.usask.ca) or at the CLS users' meeting on 17 November 2001 in Saskatoon. A short list will be established in mid-November 2001 with intent to fill the position starting July 1, 2002. Applications including curriculum vitae, research proposal, and letters from three references should be sent to: **Dr. A. P. Hitchcock, Department of Chemistry, McMaster University, Hamilton, ON L8S 4M1 Canada. Telephone: +1-905-525-9140, Extension 24749; FAX: +1-905-522-2509.** *McMaster University is committed to Employment Equity and encourages applications from qualified men and women, members of visible minorities, aboriginal peoples, and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.*

California Institute of Technology invites applications for one faculty position at the interface of chemistry with the biological sciences. Appointment in the Division of Chemistry and Chemical Engineering is anticipated. Candidates proposing interdisciplinary research programs in biochemistry and biophysics are of particular interest, and strong interactions with other divisions of the Institute are expected. Joint appointments in other divisions will be arranged as appropriate. Exceptionally well-qualified applicants will be considered for a tenure-track appointment at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. Initial appointment at the Assistant Professor level will be for four years. Outstanding candidates who have completed their Ph.D. and have a strong commitment to research and teaching are encouraged to apply. Submit curriculum vitae, publication list, a concise description of proposed research, and three letters of recommendation by October 15, 2001, to: **Professor John H. Richards, Chair, Faculty Search Committee, Braun Laboratory, 147-75, California Institute of Technology, Pasadena, CA 91125.** *The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*

NEUROSCIENCE AND CELL BIOLOGY

The University of Medicine and Dentistry of New Jersey–Robert Wood Johnson Medical School. Tenure-track positions are available in neuroscience and cell biology at the University of Medicine and Dentistry of New Jersey (UMDNJ)–Robert Wood Johnson Medical School. Investigators with interests in molecular neurobiology, cellular neurobiology, and the relationship of biology to behavior and mentation are encouraged to apply. Positions will be available beginning January 2002. Please submit curriculum vitae, a summary of scientific interests and goals, and three letters of recommendation to: **Ira B. Black, M.D., Professor and Chairman, Department of Neuroscience and Cell Biology, UMDNJ–Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ 08854-5635.** Visit our [website: http://www.umdj.edu/hrweb/](http://www.umdj.edu/hrweb/). *UMDNJ is an Affirmative Action/Equal Opportunity Employer; Minorities/Females/Disabled/Veterans, and a member of the University Health System of New Jersey. Regrettably we can respond only to those candidates chosen for an interview.*

POSITIONS OPEN

FACULTY POSITIONS Biomedical Engineering

The Program in Biomedical Engineering at the Florida A&M University College of Engineering and Florida State University invites applications for several tenure-track faculty positions in its newly founded graduate degree program in biomedical engineering. The College is a joint entity of FSU and FAMU, located in Tallahassee, Florida. A Ph.D. or M.D./Ph.D. in biomedical engineering, medical sciences, or a related discipline is required. Rank is open, and candidates must demonstrate a strong commitment to building both the educational and research components of the recently approved B.S./M.S./Ph.D. degree programs in biomedical engineering. Senior applicants must have a record of national distinction in biomedical engineering or related discipline. The possibility exists for highly qualified senior applicants to be nominated for a Florida State University Eppes endowed Professorships. Of particular interest are those candidates with exceptional background in tissue engineering, metabolic engineering, or intercellular transport processes. The Department has a Special Opportunity Award from the Whitaker Foundation, an NSF-funded NMR/MRI system for molecular transport and microimaging studies, and new laboratory and office space dedicated to biomedical engineering research. Excellent opportunities exist for interactions with the National High-Magnetic Field Laboratory, The FAMU College of Pharmacy and Pharmaceutical Sciences, and the FSU Institute of Molecular Biophysics, as well as for affiliation with the new College of Medicine at FSU. Qualified applicants should send a letter of application, current curriculum vitae, a statement of research and teaching interests, and the names and contact information of three references by October 15, 2001, to: **Dr. Michael H. Peters, Director, Program in Biomedical Engineering, FAMU-FSU College of Engineering, 2525 Pottsdamer Street, Tallahassee, FL 32310.** Further information can be obtained at [website: http://www.eng.fsu.edu/bme](http://www.eng.fsu.edu/bme). *FAMU-FSU is an Affirmative Action/Equal Employment Opportunity Employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.*

ASSISTANT PROFESSOR George Mason University Biology

The Biology Department of George Mason University invites applications for tenure-track positions at the junior level. We seek applicants who apply functional genomics to study microbial or animal systems at the cellular or organismal level. A microarray facility, core biochemistry laboratory, and cell culture facility are available in a recently constructed research facility. The successful candidates will participate in our newly proposed Ph.D. program in biosciences, teach undergraduate and graduate courses, and maintain an extramurally funded research program. Review of applications will begin October 10, 2001, and continue until each position is filled. Please submit curriculum vitae, a brief statement of teaching interests, experience and research plans, and names of three references (with telephone numbers and e-mail addresses) to:

**Chair, Search Committee, Biology
George Mason University, MSN 3E1
4400 University Drive
Fairfax, VA 22030-4444**

Affirmative Action/Equal Employment Opportunity.

RESEARCH TECHNICIAN for medical college in Toledo, Ohio; 40 hours per week; 9 a.m. to 5 p.m.; \$24,900 per year. Perform research on chemoprevention of colon and lung cancers utilizing DNA sequencing; methylation; purification; mutagenesis; PCR; RT-PCR; Western, Northern, and Southern blot analysis; HPLC; and immunohistochemistry. Must possess a B.S. or equivalent in molecular biology or equivalent. Must have one year of experience in job offered or one year of experience in a related occupation (cancer research of any kind). Please send two résumés and cover letters (no calls) to: **Reference Number 7674D, P.O. Box 16808, Columbus, OH 43216.**

POSITIONS OPEN

ASSISTANT or ASSOCIATE PROFESSOR

The Department of Pathology of Harvard Medical School invites applications for a faculty position for a Pathologist to direct the activities of the Division of Comparative Pathology at the New England Regional Primate Research Center (NERPRC). Responsibilities include conduct of an independent research program in experimental pathology; direction of diagnostic pathology services in support of NERPRC's animal colonies and multidisciplinary research program; collaborative, diagnostic, and research support to other members of the NERPRC faculty; and oversight of the training of Postdoctoral Fellows in an NIH-sponsored training program. In addition to the institutional support that will be provided, the appointee will be expected to compete successfully for research support from NIH and/or other granting agencies. Certification by the American College of Veterinary Pathologists is desirable but not required. Appointment at the Assistant or Associate Professor level in the Department of Pathology, Harvard Medical School, depending upon experience. Qualified applicants should submit a letter of interest along with curriculum vitae and names of references to:

**Dr. Ronald C. Desrosiers, Director
New England Regional Primate Research Center
One Pine Hill Drive
Box 9102
Southborough, MA 01772-9102**

Harvard University is an Affirmative Action/Equal Opportunity Employer and encourages the applications of qualified women and minorities.

COGNITIVE/COMPUTATIONAL AND/OR SENSORY NEUROSCIENTIST Wake Forest University School of Medicine

The Department of Neurobiology and Anatomy invites applications for a **TENURE-TRACK FACULTY POSITION**. The level of appointment will be commensurate with experience, and applicants should have postdoctoral experience and a strong record of scholarship. The Department is seeking an outstanding individual who is using modern systems and cellular, molecular, or psychophysical approaches in an area that complements that of current faculty studying the organization and development of sensory processes. The successful candidate will become part of the large and active neuroscience community at the University that includes the Department Program, an interdisciplinary program in neuroscience as well as a training program focused on multiple sensory systems. For more information on the Department and areas of research emphasis, visit our [website: http://www.wfubmc.edu/nba](http://www.wfubmc.edu/nba). Candidates should send curriculum vitae, statement of research interest, and three letters of recommendation to: **Search Committee, Department of Neurobiology and Anatomy, Wake Forest University School of Medicine, Winston-Salem, NC 27157-1010.** *Wake Forest University School of Medicine is an Affirmative Action/Equal Opportunity Employer.*

BIOCHEMIST

The James Madison University Chemistry Department is committed to excellence in undergraduate instruction and research and seeks a tenure-track **ASSISTANT PROFESSOR** to start fall 2002. Outstanding candidates for tenure-track Associate Professor will be considered. Ph.D. in biochemistry, chemistry, or related area required; postdoctoral experience desirable. Teaching responsibilities include introductory and upper-division biochemistry, service, and laboratory courses. Research with undergraduates required. Send résumé, statements of teaching philosophy, research interests, start-up requirements, and have three letters of recommendation sent to: **Search Committee, Department of Chemistry, MSC 7701, Harrisonburg, VA 22807.** Review of applications will begin October 1, 2001, and continue until the position is filled. *James Madison University is an Equal Opportunity/Affirmative Action/Equal Access Employer and especially encourages applications from minorities, women, and persons with disabilities.*

MEDAREX

The Antibody Technology Company™

Medarex is a rapidly growing biopharmaceutical company developing monoclonal antibody-based therapeutics to fight cancer and other life-threatening and debilitating diseases. We are currently expanding a number of programs at our state-of-the-art facilities in New Jersey and Silicon Valley, California. Opportunities are available for people who thrive working in an energized, creative, team-oriented environment. We are looking for highly motivated individuals who bring diverse perspectives to fill these positions. We recognize success and provide opportunities for professional development to employees that make a difference.

Positions are available for all experience and education levels in the following areas:

Clinical & Regulatory Affairs

- **Clinical Operation Director** – PhD/MD with 10+ yrs of clinical experience within the industry.
- **Clinical Research Scientist** - MD with 1+ yr of clinical research knowledge and experience (Rheumatology background preferred).
- **Clinical Research Scientist** – MS/PhD/PharmD to support the clinical literature research & medical writing.
- **Clinical Research Associate I/II** – BS+ with 3+ yrs of CRA experience within the industry.
- **Assistant/Associate Director of Regulatory Affairs** – MS+ with 5+ years of regulatory affairs experience.
- **Clinical Regulatory Affairs (GCP Specialist)** – BS/MS with 2+ yrs of GCP Audit experience.

Pre-Clinical Development / Product Development

- **Scientist positions** - BS/MS/PhD with experience in one or more of the following areas: molecular biology, immunology, flow cytometry, immunohistochemistry, microbiology and/or biochemistry.
- **Animal Facility Manager** – BS with 5+ yrs of animal research and supervisor exp. within the industry.
- **Pre-Clinical Regulatory Affairs (GLP Specialist)** – BS/MS with 2+ yrs of GLP Audit experience.

Quality Control/Formulation-Stability/Analytical/Bio-Assay Development

- **Bio-Assay Development Manager** – MS/PhD with 2+ yrs of immuno bioassay method development.
- **Scientist positions** – BS/ MS with 1+ yr of biochemistry, protein biochemistry, formulation, protein stability, cell based immunoassays, cell culture, DSC, MS, HPLC and/or electrophoresis experience.

Cell Culture Development

- **Senior Director** - MS/PhD with 10+ yrs of developmental experience within the biotech/biopharm industry.
- **Scientist positions** - BS/ MS/ PhD with 1+ yr of mammalian cell culture, cell line development, medium development and/or bioreactor operation experience.

Purification Development

- **Scientist positions** - BS/ MS with 0+ yrs of protein purification, chromatography, HPLC, electrophoresis and/or filtration experience.

Purification Production

- **Senior Director** – MS/PhD with 10+ yrs of large-scale manufacturing within the biopharmaceutical industry.
- **Assistant Manager** – BS/MS with 5+ yrs of biopharmaceutical manufacturing and supervision experience.
- **Project Manager** – BS+ with 5+ years of project management exp. and hands on laboratory/manufacturing knowledge within the industry (Biopharmaceutical processing experience is a minimum requirement).
- **Technician II/III position(s)** - BS/MS with 2 + years of chromatography, protein purification, virus reduction, sterile filling and/or TFF experience.

Production

- **Technician II/III position(s)** with 2+ years of expertise in aseptic techniques, cell culture and knowledge of working with large-scale biopharmaceutical equipment.

Purchasing

- **Manager** with 5+ yrs purchasing experience within pharmaceutical/ biotechnology industry.

We offer an excellent compensation and full benefit package including stock options and relocation. Please Visit Our Website At www.medarex.com

For New Jersey positions, please send resumes to

newjerseyjobs@medarex.com

For California positions, please send resumes to

californiajobs@medarex.com

EOE

GLOBAL OPPORTUNITIES



SULTAN QABOOS UNIVERSITY COLLEGE OF SCIENCE

Sultan Qaboos University is the National University of the Sultanate of Oman. The College of Science at SQU provides a variety of degree programs in science based on an American degree plan. The College also runs graduate programs and provides a wide range of service courses. All instruction is in English and Candidates for Assistant Professor and Lecturer positions must have an earned PhD as a minimum requirement for appointment. An MSC is a minimum requirement for an Asst. Lecturer position. The University is located near the capital area and close to excellent international schools and unique natural recreational areas. Apart from an attractive tax-free base salary, SQU offers free furnished accommodation, free medical care in Government Hospitals, (including a hospital and family clinic on campus) excellent recreational facilities on campus, end of service gratuity, subsidized schooling for up to two children, 60 days annual leave with return air tickets and rolling two year contracts.

The College of Science has vacancies for academic staff in the following Departments:

BIOLOGY

Assistant Professor. The Department of Biology has a vacancy for an Assistant Professor who will be an ecologist in the field of marine biology. The appointee will teach in our BSc Environmental Biology and in our MSc Environmental Science Programs. Enquiries can be addressed to Dr. Derek Roberts at derekmr@squ.edu.om.

COMPUTER SCIENCE

Assistant Professors. Two positions for computer scientists with specialisation in any area of computer science. However, preference will be given to the areas of databases, graphics and multimedia. Enquiries can be addressed to Dr. Halder Ali Ramadhan at halder@squ.edu.om.

Lecturer/Assistant Lecturers. Positions for computer scientists who will be responsible for teaching introductory courses.

MATHEMATICS & STATISTICS

Assistant Professor. One academic with good teaching and research experience is required for undergraduate courses in mathematics, applied mathematics or statistics. Enquiries can be addressed to Prof. Stefan Veldsman at hoddomas@squ.edu.om.

PHYSICS

Assistant Professor. Two positions for which the preferred fields of specialization will be: experimental liquid crystals and experimental surface physics. Enquiries can be addressed to Prof. Ram Singh at ram@squ.edu.om.

CHEMISTRY

Assistant Professor. The Department has a vacancy for inorganic chemist with good teaching and research experience to teach general and inorganic chemistry. Enquiries can be addressed to Dr. Salama B. Salama at salama@squ.edu.om.

Positions will remain open until filled but applications received before 30th September, 2001 will receive strongest consideration. The University reserves the right not to make an appointment in any particular case. Send applications, including CV & names and fax numbers of 3 referees, quoting our Ref. ADV/SCI/GEN/2001, to:

The Director, Personnel Affairs,

Sultan Qaboos University,

P.O. Box 50, Al-Khod - 123, Sultanate of Oman

Email: personnel@squ.edu.om OR nalr@squ.edu.om

POSITIONS OPEN

POSITION ANNOUNCEMENT DIRECTOR OF FLOW CYTOMETRY Biotechnology Center Flow Cytometry Facility

Proposed starting date: October 10, 2001, or as soon as possible.

Qualifications required: M.S. in a biologically related field (Ph.D. preferred) or B.S. in engineering and at least one year of experience in flow cytometry. Highly desirable is the ability to trouble-shoot instrument problems and make modifications as required for individual experiments. Familiarity with a variety of applications in flow cytometry required.

Responsibilities: The Flow Cytometry Director will develop research support and training programs in flow cytometry and, over time, extend the applications of flow cytometry. In order to fulfill the requirements of the position, the Director should have extensive knowledge of cell biology and applications of flow cytometry. The Director will be expected to continue to be informed about the developments in the field in order to make judgments about equipment and data analysis software acquisition and services to be provided. The Director will have primary responsibility to consult with faculty in development of projects. The Director will also have responsibility for training and supervision of technical personnel and management of the facility budget.

Type of position and salary: full-time academic professional position with full University benefits. Salary is commensurate with experience.

Application: Send letter of application with résumé including the names, telephone numbers, and addresses of three references to:

Rhonda Lipking
Biotechnology Center
103 Observatory
901 South Mathews Avenue
Urbana, IL 61801
Telephone: 217-333-1695
FAX: 217-244-0466

Deadline: For full consideration, applications must be received by 5 p.m. on Friday, September 7, 2001. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT OR ASSOCIATE PROFESSOR Molecular Microbiology McMaster University

McMaster University, a research-intensive institution and leading centre for biological research, invites applications for a tenure-track position at the Assistant or Associate Professor level in the Department of Biology effective July 1, 2002.

We seek individuals employing a molecular approach who will develop a program in an area of microbiology centered on microbial diversity, microbial genomics, metabolic engineering, or environmental microbiology. Candidates must hold a Ph.D. in microbiology, biology, or a related field; possess at least one year of postdoctoral experience; and have a productive research record.

The successful applicant will be expected to establish and maintain an independent and externally funded research program and to contribute to the education of undergraduate and graduate students.

Applicants should submit curriculum vitae, a statement of their research goals, a statement of their teaching interests and experience, three representative publications, and should arrange for three letters of recommendation to be sent to: **Dr. Turlough Finan, Professor and Chair, Department of Biology, McMaster University, 1280 Main Street West, Hamilton, Ontario L8S 4K1 Canada. Website: <http://www.science.mcmaster.ca/Biology/Dept.html>.** The closing date for applications is November 5, 2001.

Canadian citizens and permanent residents will be considered first for this position. McMaster University is committed to Employment Equity and encourages applications from qualified candidates including members of visible minorities, aboriginal peoples, persons with disabilities, and women.

POSITIONS OPEN

THREE FACULTY POSITIONS Molecular and Cellular Biology University of Arizona

The Department of Molecular and Cellular Biology is seeking three tenure-track faculty members for appointment in 2002. Specifically, we intend to hire two tenure-track MCB faculty in conjunction with the Arizona Cancer Center, Job Number 20430. Relevance to cancer biology, broadly defined, will be expected. Individuals working with model organisms are especially encouraged to apply. Preference will be given to candidates at the **ASSISTANT PROFESSOR** level, but outstanding senior candidates will also be considered. Successful applicants will join a growing and interactive group of basic Scientists at the Arizona Cancer Center.

ASSISTANT PROFESSOR OF MOLECULAR AND CELLULAR BIOLOGY, Job Number 20431. Research interests may be in any area of molecular, cellular, developmental, or computational biology. Again, individuals working with model organisms or with interests in emerging technologies are encouraged to apply. For all positions, a successful candidate will be expected to establish a competitive research program and to teach at both the undergraduate and graduate levels. For complete information, see **website: <http://www.hr.arizona.edu>**. Send curriculum vitae, a one-to-two-page statement of research interests, and have at least three supporting letters sent to: **Danny Brower, Head, Department of Molecular and Cellular Biology, Life Sciences South Building, Room 444, University of Arizona, P.O. Box 210106, Tucson, AZ 85721 U.S.A. E-mail: rwenzel@u.arizona.edu**. Review of applications begins September 15, 2001, and will continue until positions are filled. *The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.*

DIRECTOR OF EDUCATIONAL RESEARCH

The Department of Human and Community Development and the M.I.N.D. Institute, University of California, Davis, announce an opening for a fiscal (11-month) tenured position at the **ASSOCIATE** or **FULL PROFESSOR** level. Candidate is expected to develop a research program on understanding of mechanisms related to the development of learning, memory, and information processing in children with neurodevelopmental disorders. Position includes some teaching responsibilities and requires Investigator with record of scholarship and independent funding in areas related to educational intervention, cognitive processing, and/or affective (social) development in children with autism spectrum and other neurodevelopmental disorders. Candidates need Ph.D. or equivalent in education, psychology, human development, educational psychology, neuroscience, cognitive science or related area, or hold an Ed.D. with special emphasis in neurodevelopmental disorders. Appointment expected on or before September 1, 2002. Additional information available at **website: <http://provost.ucdavis.edu/cfusion/emppost/search.cfm>**. Applicants should submit a letter of interest, curriculum vitae, representative reprints, and the names and addresses of five references to: **Dr. B. A. Ober, Co-Chair, Search Committee, Department of Human and Community Development, University of California, Davis, CA 95616** by November 15, 2001, but applications will be accepted until position is filled. *The University of California is an Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSOCIATE in biochemistry/molecular biology experienced in microdissection, immunohistochemistry, and RT-PCR. Research entails applying skills to investigate altered retinoic acid metabolism in ovarian cancer. Experience in histological preparation, DNA/RNA isolation, PCR, and related techniques required. M.D. or Ph.D. accepted. Send curriculum vitae and letter of application to: **Fox Chase Cancer Center/MAM, Human Resources Department, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

CHAIR DEPARTMENT OF BIOMEDICAL ENGINEERING Lerner Research Institute The Cleveland Clinic Foundation

We are seeking a Chair for the Department of Biomedical Engineering, which currently consists of 22 faculty (approximately 200 personnel) occupying approximately 60,000 square feet in the Lerner Research Institute. An endowed chair accompanies this position. The Department has strengths in the areas of biomechanics, biomedical imaging, BioMEMS, cardiovascular bioengineering, and orthopedic and connective tissue research. The ideal applicant for this position will have an outstanding national reputation in an area that complements the current programs in the Department. The Lerner Research Institute, with over 100 independent Investigators in eight departments and an annual budget of over \$70 million, has a commitment to excellence in basic and applied biomedical research. The Chair will be provided with a highly competitive salary, generous start-up support, and recruitment packages for new faculty. Curriculum vitae and names and addresses of three references should be sent to:

Paul E. DiCorleto, Ph.D.
Search Committee for the
Chair of Biomedical Engineering
Department of Cell Biology, NC10
Cleveland Clinic Research Institute
9500 Euclid Avenue
Cleveland, OH 44195
E-mail: dicorlp@ccf.org
Website:

<http://www.lerner.ccf.org/bme/index.html>

The Cleveland Clinic Foundation is an Equal Opportunity Employer.

CHAIRPERSON DEPARTMENT OF PHYSIOLOGY The University of South Alabama College of Medicine

The College of Medicine invites applications and nominations for the position of Lenoir Locke Professor and Chair of the Department of Physiology. Significant facilities and resources are available to support the continued development of a high-quality research and teaching department. Prospective candidates must have a suitable Ph.D., M.D., or equivalent degree; a record of outstanding research and leadership ability; and a commitment to medical and graduate education.

Interested candidates should submit recent curriculum vitae, a brief description of their research interest, and the names and addresses of at least three references to: **Samuel J. Strada, Ph.D., Chairman, Search Committee for Physiology Chair, University of South Alabama, College of Medicine, CSAB 170, Mobile, AL 36688-0002. An Affirmative Action/Equal Opportunity Educational Institution.**

The Department of Radiation Oncology at Washington University in St. Louis, Missouri, has an **ASSISTANT** or **ASSOCIATE PROFESSOR** tenure-track position available. The position is open to qualified applicants depending on expertise and experience. Expertise in radiobiology is desired, emphasizing one of the following: normal tissue effects, DNA repair, radioisotope effects, oxidative stress, free radical biology, or other stress responses. Faculty is required to contribute to the teaching of radiobiology to radiation oncology residents. The successful applicant should have demonstrated ability to conduct independent research to attract outside funding. Apply to:

Dr. Joseph L. Roti
Director

**Division of Radiation and Cancer Biology
Department of Radiation Oncology
Washington University School of Medicine
4511 Forest Park Boulevard
Suite 411
St. Louis, MO 63108**

Washington University is an Affirmative Action/Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.



UNIVERSITY OF MICHIGAN BIOLOGICAL SCIENCES SCHOLARS PROGRAM

The University of Michigan Medical School announces the continuation of the Biological Sciences Scholars Program to enhance investigational strength in the life sciences at the University of Michigan.

Now entering its fifth year, this program led to the recruitment of outstanding young scientists in the areas of genetics, microbiology, virology, structural biology, and biochemistry. Individuals recruited will have the following qualifications: PhD, MD, or MD/PhD degrees; two years postdoctoral experience; and evidence of superlative scientific accomplishment and scholarly promise. Successful candidates will be expected to establish a vigorous, externally-funded research program; and to become leaders in departmental and program activities, including teaching at the medical, graduate, and/or undergraduate levels. Primary college and department affiliation and rank will be determined by the applicant's qualifications. Preference will be given to appointments at the Assistant or Associate Professor levels.

Applicants should send their current curriculum vitae (including bibliography), three letters of support, and a two to four-page summary of their current research program and future research plans to address below. Applications will be considered on a rolling basis, however candidates are strongly encouraged to submit their applications by October 31, 2001.

John B. Lowe, M.D.
c/o Office of Research and Graduate Studies
University of Michigan Medical School
4107 Medical Science Building I
Ann Arbor, MI 48109-0624

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



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

The U.S. Department of Agriculture, Agricultural Research Service, Hilo, Hawaii, invites applications for the position of Center Director of the Pacific Basin Agricultural Research Center, GS-15 (\$79,710 to \$103,623 per annum (+ 16.5% COLA), salary commensurate with experience). The Center Director has overall responsibility for formulating and guiding a broad-scale multidisciplinary research program covering crop production, fundamental and applied plant sciences, plant protection, pre-harvest and post harvest plant physiology, plant genetics/plant germplasm conservation and enhancement, and entomology. The Director will lead in the Center's mission to expand the number and type of agricultural crops that can be effectively exported as well as consumed within the Pacific Basin; will provide leadership to four Research Leaders, 18 scientists, and office support staff; and manage an annual budget of approximately \$6 million. The incumbent will also conduct a personal research program within one or more of the program missions. 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-1451." FOR SPECIFIC APPLICATION PROCEDURES AND REQUIREMENTS, PLEASE CALL MS. LORETTA OKAMOTO, 808-959-4301. You may obtain a copy of the vacancy announcement from Ms. Okamoto or from the ARS Home Page (<http://www.ars.usda.gov/afm/hrd/resjobs/index.html>) under announcement ARS-X1W-1451. Applications must be postmarked by September 28, 2001.

*ARS is an Equal Opportunity Provider and Employer.
Women and minorities are encouraged to apply.*

Technical Support Manager

Application Support Manager

Iobion Informatics builds informatics software for biological research. Iobion software is designed for biologists by biologists. We are taking a fresh approach to bioinformatics by providing a comprehensive yet affordable software tool set enhanced with superb and responsive technical support. We are not your average biotechnology company, and we seek extraordinary managers to provide our customers and potential customers product/technical support at our corporate headquarters in **La Jolla, California**.

The **Technical Support Manager** (Req#2A009-01A) is responsible for all post-sales Technical Support and the **Application Support Manager** (Req#2A008-01A) is responsible for all pre-sales Technical Support. Each position is responsible for building an overall system for responding to customer inquiries including staffing/training a motivated team of support representatives, and communicating with application development, technical writing, and management functions. We require a doctoral degree (Ph. D.) in Molecular Biology or related area or equivalent with Postdoctoral experience and a minimum of 2 to 3 years experience in Product Marketing and Technical Support; or more than 10 years related experience and/or training; or equivalent combination of education and experience. Must have familiarity with Bioinformatics, software development, sequence analysis, and microarray analysis.

Send your resume to: Iobion Informatics, Attn: Human Resources [include Req# from above], 11011 North Torrey Pines Rd., La Jolla, CA 92037. Fax: (858) 535-0071. Email: jobs@iobion.com



iobioninformatics

www.iobion.com

AA/EOE

POSITIONS OPEN

ASSOCIATE DEAN, PROFESSOR OF FISHERIES, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks. Responsibilities: This executive-level position is responsible for administrative leadership in the School of Fisheries and Ocean Sciences (SFOS). Administrative focus for the position includes promoting coordination among faculty, units, and SFOS programs; assisting in development and evaluation of SFOS programs; coordinating research planning with state and federal agencies; basic administrative functions (review research proposals, etc.); liaison with external fisheries constituents; serving on committees and performing public service at state, national, and international levels; other functions as needed or assigned in response to changing needs of the School.

The Associate Dean position also provides flexibility to pursue teaching and research interests. It is anticipated the successful candidate will provide instruction in courses (undergraduate or graduate level) related to his/her field of knowledge. The incumbent will be encouraged to continue scholarly work and research activities including supporting graduate students.

Qualifications: Earned Doctorate in fisheries, fisheries oceanography, or a related field. The successful candidate will have a strong background in research and teaching with a strong publication record appropriate to a leader in his/her field.

Salary: will be competitive and commensurate with qualifications and experience. Closing date: September 15, 2001.

Contact: Applicants should send curriculum vitae, a brief summary of teaching and research interests, contact information for at least three professional references, and a signed University of Alaska application to: **Dr. Alexander, AD Search Committee, Dean's Office/SFOS, University of Alaska Fairbanks, Fairbanks, AK 99775-7220.** UAF employment applications can be found at website: http://www.alaska.edu/hr/employment_application.htm. *Equal Employment Opportunity/Affirmative Action Employer.*

DEVELOPMENTAL BIOLOGIST: Department of Biology, DePauw University. The Department of Biology at DePauw University seeks to fill a **TENURE-TRACK POSITION** to begin in the fall of 2002. The successful candidate should have a Ph.D. and will be expected to design and teach a course in developmental biology, teach introductory courses for both majors and nonmajors, and develop a research program involving undergraduates. Preference will be given to individuals who can also teach in the area of cell biology and either molecular biology or genetics. DePauw has an exceptional program for supporting its faculty including start-up funding and pretenure leaves for new faculty and funding for professional and curriculum development activities (see website: <http://www.depauw.edu/admin/acadaffairs/facdev.htm>). Candidates should submit a letter of application, curriculum vitae, three letters of recommendation, transcripts, a statement of teaching interests and philosophy, and a statement of research interests to: **Search Committee, Department of Biology, DePauw University, Greencastle, IN 46135**, which will begin reviewing application materials on September 15, 2001. For more information about the Department, visit website: <http://www.depauw.edu/acad/biology>. *DePauw University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and members of under-represented groups.*

RESEARCH AND DEVELOPMENT MANAGER wanted by manufacturer of thickness-gauging and control systems in Irwindale, California. Will be responsible for research and product development activities involving nuclear sensor technology. Requires Bachelor's degree in electrical engineering or applied physics with one year of experience or one year of experience as engineering manager. Send résumé to: **Human Resources Department, NDC Infrared Engineering, Inc., 5314 North Irwindale Avenue, Irwindale, CA 91706.**

POSITIONS OPEN

DEVELOPMENTAL NEUROBIOLOGIST Wake Forest University School of Medicine

The Department of Neurobiology and Anatomy invites applications for a **TENURE-TRACK FACULTY POSITION**. The level of appointment will be commensurate with experience, and applicants should have postdoctoral experience and a strong record of scholarship. The Department is seeking an outstanding individual who will complement or expand one or more of the research areas of those faculty involved in developmental studies. These include behavioral, neurophysiological, anatomical, embryological, and molecular and genetic approaches using vertebrate models for examining behavioral development; sensory-motor processing; neuronal growth; differentiation and survival; neuronal plasticity; and the role of sensory experience, neuronal activity, neurotrophic factors, and other regulatory signals in these events. The successful candidate will become part of a large, active neuroscience community that includes a departmental graduate curriculum focusing on sensory and developmental neurobiology, an interdisciplinary graduate neuroscience program, and an undergraduate neuroscience curriculum. For more information on neuroscience at the University, visit the following websites: <http://www.wfubmc.edu/nba/nba.html>; <http://www.wfubmc.edu/neuroscience/> and <http://www.wfubmc.edu/graduate>. Candidates should send curriculum vitae, statement of research interest, and three letters of recommendation to: **Search Committee, Department of Neurobiology and Anatomy, Wake Forest University School of Medicine, Winston-Salem, NC 27157-1010.** *Wake Forest University School of Medicine is an Affirmative Action/Equal Opportunity Employer.*

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

DIRECTOR, Center for Education and Equity in Mathematics, Science, and Technology in the College of Science (tenure track). Doctorate in mathematics education or science education or in mathematics, biology, chemistry, geology, or physics with experience in mathematics or science education at the K-12 level and knowledge of reform movements and national/state standards in mathematics/science. Evidence of teaching excellence and scholarly activities; tenure and rank open. Search will be open until filled. First consideration will be given to completed applications received no later than October 1, 2001. Position starting date will be January 2, 2002, or later by mutual agreement. Send letter of application, résumé, copies of transcripts, and names and contact information for three references to: **Director Search Committee, CEEMaST, California State Polytechnic University, 3801 West Temple Avenue, Pomona, CA 91768-4033. Telephone: 909-869-4063; Website: <http://ceemast.csupomona.edu>.** *Equal Opportunity Employer/Affirmative Action. Cal Poly Pomona is actively seeking to maintain its heritage and identity as a comprehensive center of education that serves a dynamic, culturally diverse region.*

POSTDOCTORAL POSITIONS in the field of computational biochemistry/biophysics are available at University of California, Irvine, starting October 1, 2001. Research involves development and application of new methods for computational studies of biomolecules. Please see website: <http://duf.ucsf.edu/ray/> for further information. Candidates with a background in physical sciences, material science, or biomedical/chemical engineering are encouraged to apply. Experience in computational studies and scientific programming is required. Previous experience in molecular simulations is a plus. Please send curriculum vitae, a statement of interests, and two letters of reference to: **Dr. Ray Luo; e-mail: luo@cgl.ucsf.edu.** Minimum starting salary to be negotiated and is commensurate with experience. Applications due by: September 11, 2001. Closing date: September 13, 2001.

The University of California, Irvine, is an Equal Opportunity Employer committed to excellence through diversity.

POSITIONS OPEN

FACULTY POSITIONS Molecular and Cell Biology of Tissue and Wound Healing

Shriners Hospital for Children in Sacramento, California, is establishing a Research Center for the Molecular and Cell Biology of Tissue and Wound Healing related to burns, orthopedics, and spinal cord injuries. Areas of interest include apoptosis; cell signaling; neural development and regeneration; genetic diseases affecting bone and cartilage; transgenic systems to study development/repair of skin, bones, or nervous system; and tissue engineering. Up to eight new Principal Investigators will be housed in new open laboratory space. We invite applications and nominations at the level of **ASSISTANT** or **ASSOCIATE PROFESSOR**. Exceptional candidates may be considered at the **PROFESSOR** level. All positions will have faculty status in a department at the University of California Davis School of Medicine. Applicants must have a Ph.D. and/or M.D., several years of postdoctoral research experience in a related area, and publications in high-impact journals. More senior appointments must have independent research programs with international recognition and a strong record of extramural funding. Excellent start-up package. Positions will be available each year until all are filled. For full consideration for 2001 recruitment, applications must be received no later than November 1, 2001. Send letter of interest, résumé, statement of most significant past research accomplishments and future research goals, and names and contact information for five references to: **Linda M. Hall, Ph.D., Director of Research, Shriners Hospital for Children, 2425 Stockton Boulevard, Sacramento, CA 95817.** Shriners Hospital is a drug-free workplace. *Affirmative Action/Equal Opportunity Employer.*

CELLULAR IMMUNOLOGY

Advanced BioScience Laboratories, located in Kensington, Maryland, seeks a **RESEARCH SCIENTIST** to direct and coordinate the operations of ABL's immunology program with emphasis on cellular immunology. The successful candidate will coordinate and manage specific research programs; train and supervise Research Assistants in the performance of immunological and virological assays; plan and coordinate experiments; and assist in the preparation of proposals for new programs, either in the form of grants or contracts. Candidates must have a Ph.D. with two or more years of postdoctoral experience in cellular immunology, good written and oral communication skills, and the ability to work as a team member. ABL is a biomedical research facility with a long history of innovative research in human and animal retrovirology and is supported by government and commercial contracts. Interested candidates should submit a cover letter and curriculum vitae to: **Michele M. Grace, Human Resource Department, 5510 Nicholson Lane, Kensington, MD 20895. FAX: 301-816-5254; e-mail: mgrace@ablinc.com.** *ABL is an Equal Opportunity Employer; Minority/Female/Disabled/Veteran.*

SENIOR CONSULTING STATISTICIAN

The NMR Center at Massachusetts General Hospital has an immediate opening for a Senior Consulting Statistician to assist in the design and analysis of functional neuroimaging studies. He/she will collaborate with Investigators from a broad range of disciplines. A Ph.D. in statistics with experience in statistical modeling, signal processing, and imaging processing is preferred. The candidate should have at least five years of consulting experience in the biomedical or physical sciences. Knowledge of neuroscience is helpful. Excellent writing and teaching skills are a must. The position carries an appointment as an **ASSISTANT** or **ASSOCIATE PROFESSOR** at Harvard Medical School commensurate with qualifications. Send curriculum vitae and three reference letters to: **Dr. Emery N. Brown, Department of Anesthesia and Critical Care, MGH, 55 Fruit Street, Clinics 3, Boston, MA 02114.** *MGH is an Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.*



**ASSOCIATE DIRECTOR
CONSORTIUM FOR CELL MIGRATION
UNIVERSITY OF VIRGINIA
CHARLOTTESVILLE, VA**

The University of Virginia is seeking applications for the position of **Associate Director** of a newly established multi-investigator, multi-institutional Consortium for Cell Migration. The successful candidate will work closely with the Directors to oversee and coordinate the administrative and scientific activities of the Consortium and supervise a staff that includes a senior support administrator, a senior audiovisual/web technician, and a fiscal technician. The position of Associate Director offers opportunities to participate in an exciting new initiative to define the molecular and cellular processes that drive cell migration. Prerequisites include outstanding interpersonal, organizational, and communication skills; an advanced degree (MS or PHD) in a related discipline is preferred.

This position will be open until filled. Application material including a current curriculum vitae and names and addresses of 3 references should be sent to:

**Search Committee
Attn: Ms. Mary Staton
Department of Cell Biology
Box 800732 University of Virginia Health System
Charlottesville, VA 22908
Fax: 804-982-3912
Email: cellmigration@virginia.edu**

The University of Virginia is an Equal Opportunity/Affirmative Action Employer



**Oncologist, Cancer Genetics Interest
Cancer Genetics Branch
Center for Cancer Research
National Cancer Institute**

The Genetics Branch, Center for Cancer Research (CCR), National Cancer Institute, is seeking a board eligible/certified oncologist with a predominant interest in cancer genetics, risk assessment, biomarkers, surveillance, and cancer chemoprevention to facilitate, direct, and plan clinical trials. The position will be a joint appointment in both the Genetics Branch and the Medical Oncology Clinical Research Unit of the CCR. The position can be either a clinical investigator tenure track or staff physician appointment depending on the qualifications and interest of the candidate. The successful candidate will become the contact point and liaison for clinical cancer genetics trials developed within the Center for Cancer Research as well as other intramural components of the National Cancer Institute. In addition it is expected that this individual will participate in on-going collaborations and foster others between the NCI and other intramural clinical genetics groups including those based within the National Center for Human Genome Research. An involvement in currently open protocols in the areas of breast and colorectal cancer risk assessment and chemoprevention would provide a starting point for program development.

For additional information about this position contact **Ilan Kirsch, M.D.** at kirsch@exchange.nih.gov. For qualifications required, evaluation criteria, and application instructions, view the website at <http://dbs.nci.nih.gov/employment>

For information on application procedures, call **Renee Gamborg, 301-435-5383**. Applications must be received by September 30, 2001. Mail to: **Renee Gamborg, Naval Medical Hospital, Bldg 8 room 5101, 8901 Wisconsin Ave., Bethesda, MD. 20889**. The National Cancer Institute is an Equal Employment Opportunity and Affirmative Action employer that values and fosters diversity throughout the entire organization.

**ASSISTANT/ASSOCIATE PROFESSOR
DEPARTMENT OF GENETICS
HARVARD MEDICAL SCHOOL**

The Department of Genetics invites applicants for the position of Assistant/Associate Professor. Qualifications for the position include a strong potential for imaginative research in any area of contemporary biology. This position offers very significant scholarly and scientific resources as well as the opportunity to teach graduate and medical students with a strong interest in research.

Applicants should submit, as soon as possible, but prior to October 31, 2001, curriculum vitae, bibliography, a brief (limit to 500 words) description of research interests and ask three references to send letters of recommendation. These materials should be directed to:

**Dr. Philip Leder, Chairman
Department of Genetics
Harvard Medical School
200 Longwood Avenue
Boston, MA 02115**

Harvard University is an Equal Opportunity/Affirmative Action Employer and encourages the application of qualified women and minorities.

NORTHEASTERN COLLABORATIVE ACCESS TEAM

New Undulator Resource for Structural Biology

The Northeastern Collaborative Access Team (NE-CAT) is developing an undulator resource for structural biology at the Advanced Photon Source, Argonne National Laboratory. NE-CAT consists of six member institutions, Columbia University, Cornell University, Harvard University, Memorial Sloan-Kettering Cancer Center, Rockefeller University, and Yale University. Primary funding for NE-CAT comes from the Biomedical Technology area of the National Center for Research Resources at the NIH. The NE-CAT will perform technological R&D and provide beam time for the structural biology community as well as its member institutions. During the next few months, we will be filling scientific, technical, and administrative positions.

Current Opportunities Exist For The Following Positions:

- | | |
|-----------------------|---------------------------|
| •Lead Scientist | •Project manager |
| •Staff Scientist | •Administrative Assistant |
| •Research Support | •Systems Manager |
| •Postdoctoral Fellows | •Technical Support |



For further information, please consult our website at NECAT.chem.cornell.edu or contact **Professor Steven E. Ealick, NE-CAT Director, Baker Laboratory, Cornell University, Ithaca, NY 14853; see3@cornell.edu**.
Cornell is an Equal Opportunity Employer.

POSITIONS OPEN

CHAIR DEPARTMENT OF PHARMACOLOGY School of Medicine

The University of North Carolina at Chapel Hill

The University of North Carolina at Chapel Hill is searching for an individual to provide scholarly, academic, and administrative leadership for the research and teaching programs of the Department of Pharmacology. The Department has an excellent faculty and facilities with strong collaborative relationships with other departments, research centers, and institutes within the University. Other academic and industrial institutions in the Research Triangle enhance the scientific environment. Qualifications include a Ph.D. and/or M.D. degree, a distinguished record of creative scientific productivity, and a commitment to graduate and medical education. Review of applications will begin immediately and continue until the position is filled. Reply with a letter of interest, curriculum vitae, and the names/addresses/telephone numbers of four or more references to the following address:

David Brenner, M.D.

Chair, Pharmacology Search Committee
243 MacNider Hall, CB Number 7000
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7000
Attention: Jane Teeter

UNC is an Equal Opportunity Employer. Minority and women applicants are encouraged to apply.

The Department of Animal Sciences, Purdue University, West Lafayette, Indiana, invites applications for two **TENURE-TRACK POSITIONS** in animal growth and developmental biology available January 2002. One is for conducting research in molecular genetics and germ line gene transfer and expression for domestic animals. The second is for conducting research on early events of mammalian development and generation of germ line transgenic domestic animals. Candidates must have a Ph.D. in genetics, reproductive or developmental biology, or related field and should have appropriate postdoctoral experience. Incumbents will be members of the newly established Center for Comparative Medicine, which includes faculty members from Indiana and Purdue Universities, and will be expected to contribute to the Center's mission of developing animal models for basic biomedical research in health and disease. Detailed information is at [website: http://www.ansc.purdue.edu](http://www.ansc.purdue.edu). Submit a letter of application; statements of research interests and educational philosophy; and detailed curriculum vitae that includes education, experience, additional qualifications, and publications by October 1, 2001. Official transcripts and three letters of reference should be sent directly to: **Dr. Alan L. Grant, Interim Head, Department of Animal Sciences, 1151 Lilly Hall, Purdue University, West Lafayette, IN 47907-1151. Telephone: 765-494-4809; FAX: 765-494-9346; e-mail: agrant@purdue.edu.** *Purdue University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available immediately at Northwestern University. The laboratory focuses on the regulation of cell cycle and apoptosis in autoimmune disease. Specifically, the projects in the laboratory include (1) the role of Fas-FasL pathway in regulating monocyte survival and differentiation *in vitro* and *in vivo*, (2) Bcl-2 regulation of cell survival and growth, and (3) p21 and Rb regulation of cytokine and matrix-metalloproteinase expression. Competitive salary and benefits. *U.S. citizens or permanent residents may qualify for a position on the Division's NIH-funded training grant.* Interested candidates should contact: **Dr. Harris Perlman, Northwestern University Medical School, 303 East Chicago Avenue, Ward 3-315, Chicago, IL 60611. Telephone: 312-503-3141; FAX: 312-503-0994; e-mail: h-perlman2@northwestern.edu.**

POSITIONS OPEN

IMMUNEX

Creating the Future of Medicine™

When you believe anything is possible, it is.

At Immunex, we have the vision, enthusiasm, and potential to accomplish great things. And our success is made possible by the world-class technical employees we're attracting with career opportunities, salaries, and benefits that are second to none. In 20 years, we have grown to be the fourth largest biotechnical firm internationally. We have seven groundbreaking therapeutics on the market and 11 more in the pipeline. And we've been named one of the "100 Best Places To Work For" by *Fortune Magazine*. In short, the sooner you join our team, the sooner we can work together to change the world—and your career.

ASSOCIATE STAFF SCIENTIST

Our Cell Science Department has an opening for a Molecular Cell Biologist who is interested in applying critical thinking skills and technical expertise toward inventing and developing protein expression technologies in a biotechnical setting. The ideal candidate will have a track record of innovative research in the area of molecular and cell biology that demonstrates a thorough understanding and excellent technical skills in gene expression and/or protein engineering. Strong communication and problem-solving skills are essential. The ideal candidate will have a Ph.D. in cell biology, biochemistry, or related disciplines with three or more years of professional experience in the academic or biotechnical sector.

In addition to the tremendously rewarding environment, we offer an exceptional compensation and benefits package. Please submit a scanable résumé specifying Job Code 01-0232 to **e-mail: immunexcareers@webhircpc.com.** *Immunex is an Equal Opportunity Employer committed to diversity.*

FACULTY POSITION PHYSIOLOGICAL ECOLOGY

The Department of Biological Sciences at the University of Alaska Anchorage seeks an **ASSISTANT PROFESSOR** (tenure-track) with strengths in physiological ecology and molecular techniques (PCN 301439A). We are interested in candidates who use molecular approaches to investigate physiological adaptations of animals to extreme and highly seasonal environments such as those at high latitudes. We will also consider applicants who use laboratory and field techniques to investigate the complex processes that shape animal evolutionary and ecological physiology. Candidates whose research areas complement those of existing programs are strongly encouraged to apply. Applicants must have a Ph.D. in biology or relevant scientific field, postdoctoral research experience, a strong publication record, and relevant teaching experience. The successful candidate is expected to establish an independent, externally funded research program in the area of animal physiology; participate in graduate student education; and contribute to the service activities of the Department. Primary teaching responsibilities include human anatomy and physiology and one upper-division and/or graduate class in area of expertise per year. Further information about the Department can be found at [website: http://www.uaa.alaska.edu/biohome/biology.html](http://www.uaa.alaska.edu/biohome/biology.html). Contact **Dr. Jennifer Burns; e-mail: afjmb4@uaa.alaska.edu** for additional details. Visit [website: http://www.finsys.uaa.alaska.edu/uaahrs](http://www.finsys.uaa.alaska.edu/uaahrs) for benefit information. To apply, submit a cover letter noting the PCN number, curriculum vitae, statements of teaching and research goals, and all contact information for three references to: **University of Alaska Anchorage, Human Resource Services, 245 Administration Building, 3211 Providence Drive, Anchorage, AK 99508-8136. Website: <http://www.finsys.uaa.alaska.edu/uaahrs>.** Review of applications will begin September 15, 2001. *UAA is an Affirmative Action/Equal Opportunity Employer and Educational Institution.*

POSITIONS OPEN

CHAIRPERSON

Western Michigan University invites applications for the position of Chair of the Department of Biological Sciences beginning fall 2002. The Department, currently with a faculty of 19, provides a broad integrative biology program leading to B.Sc., M.S., and Ph.D. degrees. Current NIH-, NSF-, and USDA-supported research involves students at all levels and encompasses topics across the biological sciences. The successful candidate is expected to provide leadership for the research, teaching, and service missions of the Department. The candidate is also expected to interact successfully with colleagues having interests that span molecular, cellular, and organismal levels ([website: http://www.wmich.edu/bios](http://www.wmich.edu/bios)). The candidate must have an established, Investigator-initiated research program and is expected to maintain extramural funding at Western Michigan University.

The candidate will be a nationally recognized scholar and broadly trained Biologist with a substantial history of extramurally funded, independent research. The successful candidate will possess strong administrative, leadership, and interpersonal skills and will also demonstrate a commitment to teaching excellence. Candidates must currently hold tenure in an academic department, have credentials consistent with the rank of **FULL PROFESSOR**, and demonstrate willingness to encourage the independent scholarly activities of faculty.

Send a letter of application, curriculum vitae, statement of research interests, and names of five persons who may be contacted as references to: **Dr. Alexander Enyedi, Search Committee Chair, Department of Biological Sciences, 1903 West Michigan Avenue, Kalamazoo, MI 49008-5410. E-mail: enyedi@wmich.edu.** Review of applications will begin September 15, 2001, and continue until the position is filled. *Western Michigan University, a student-centered research university, encourages applications from under-represented minorities.*

TENURE-TRACK FACULTY POSITION IN PHYSIOLOGY Department of Basic Medical Sciences Purdue University

The Department of Basic Medical Sciences invites applications for a tenure-track **ASSISTANT PROFESSOR** possessing a Ph.D. degree. Persons with two to three years of postdoctoral experience and a D.V.M. or M.D. degree will be given preference. The selected candidate is expected to develop an extramurally funded research program that complements existing Departmental programs and to assume teaching responsibilities in physiology for veterinary and graduate students. Preference will be given to persons whose research is in whole animal or cell physiology and who may interact with ongoing programs in neuroscience and/or the Purdue biomedical engineering program.

Applicants should send curriculum vitae, a brief description of career goals and teaching experience, and relevant reprints with a list of three references (including complete mail, telephone, FAX, and e-mail addresses) to: **Dr. Richard B. Borgens, Ph.D., Chairman, Physiology Search Committee, School of Veterinary Medicine, Purdue University, West Lafayette, IN 47907-1246.** Review of applications will begin immediately and will continue until the position is filled. Additional information is available at [website: http://www.vet.purdue.edu/depts/bms/](http://www.vet.purdue.edu/depts/bms/). *Purdue is an Equal Opportunity/Affirmative Action Employer and encourages applications from minorities and women.*

POSTDOCTORAL POSITION: proteomics and development. Available to apply proteomics to study of development and Wnt-Frizzled signaling (*Science* 292:1718, 2001). Applicants with strong experience in MALDI, protein chemistry, and/or developmental biology please e-mail: **Hsien-yu Wang, SUNY-Stony Brook, New York (e-mail: wangh@pharm.sunysb.edu)** a brief description of interest, curriculum vitae, and references. *An Affirmative Action/Equal Opportunity Employer.*

ANIMAL GENOMICS AND INFECTIOUS DISEASE

The U.S. Department of Agriculture, Agricultural Research Service has an immediate opening (ARS-X1W-1433) for a permanent, full-time research scientist to investigate the molecular genetics of host-pathogen interaction in livestock. We seek exceptional individuals with the potential to study fundamental problems of infectious diseases in cattle from a population genetics perspective. Candidates with broad backgrounds in either genetics, biochemistry, cell biology, microbiology, or immunology are encouraged to apply. The successful candidate will join an integrated, multi-disciplinary team of scientists identifying strategies to reduce the impact of pathogenic microorganisms of livestock.

A Ph.D. is desirable and U.S. citizenship is required. Starting salary is \$51,927-\$80,279 per annum, depending on experience and starting dates are negotiable. Applications will be accepted until September 17, 2001.

The position is in the Animal Health Research Unit (AHRU) at the U.S. Meat Animal Research Center (MARC, <http://www.marc.usda.gov>) near Clay Center in south central Nebraska (<http://visitnebraska.org>). MARC employs approximately 250 personnel, including more than 70 scientists dedicated to developing new technologies for enhancing livestock production and increasing the quality of meat products. AHRU is housed in a modern, well-equipped building with laboratories adjacent to the Great Plains Veterinary Educational Center. AHRU maintains strong, well-funded programs in infectious diseases, focusing on enteric and respiratory pathogens. Genomic resources at MARC include arrayed beef cattle EST, BAC, YAC, and population diversity libraries; automated high-throughput DNA sequencing and genotyping with capillary-based machines and MALDI-TOF MS, respectively; parallel expression profiling; and integrated bioinformatics databases. Animal resources include state-of-the-art management facilities and large research herds (presently 6,500 beef cattle, 3,000 sheep, and 700 sows) located on 35,000 acres.

For further program or application information, prospective candidates may contact: **Dr. Michael Heaton** (heaton@email.marc.usda.gov), Box 166, State Spur 18D, Clay Center, NE 68933, fax: 402/762-4375

ARS is an Equal Opportunity Employer.

HELP SHAPE THE FUTURE OF THERAPEUTICS IN NEUROSCIENCE



The National Institute of Neurological Disorders and Stroke, NIH, is seeking a Health Scientist Administrator to provide key leadership for institute-wide translational research programs focused on finding new treatments for disorders of the nervous system. Relevant experience includes drug discovery, assay development, design and use of chemical libraries/databases, gene therapy approaches, or other areas that have potential use in therapeutic development. The incumbent is affiliated with the NINDS Technology Development Program and works closely with the Anticonvulsant Screening Program, but also collaborates with and advises staff on therapeutic development in all areas of the Institute's research effort. The appointee provides guidance for neurotherapeutic development projects in the extramural research community through interactions with consultants, industry, and academic scientists.

This is a senior level, Title 42 (f) federal position. U.S. citizenship is required. Salary will be commensurate with experience. Applicants should have a Ph.D. or M.D., extensive leadership and project management experience, creativity in designing new therapeutic approaches, experience in neuroscience/pharmacology research, and a record of relevant publications. Familiarity with federal research grants/contracts is desirable. As a selective factor, applicants should have experience with therapeutic development. Applicants are **strongly encouraged** to obtain specific information concerning the knowledge, skills, and abilities needed for the position by contacting Mr. Arvelo at the address below.

Applicants should submit by **Oct. 15** a letter of application (refer to **Technology Development Program Title 42 vacancy**), a description of how they meet the qualification criteria and selective factor above, a description of their relevant knowledge, skills, and abilities, a curriculum vitae, and a bibliography to: Mr. Luis Arvelo, NIH, NINDS Human Resources Branch, Building 31, Room 8A23, 31 Center Drive, MSC 2540, Bethesda MD 20892-2540; Tel (301) 435-6033; Fax (301) 480-0383; Email: la45j@nih.gov. For detailed information on duties, contact Dr. Robert Baughman, Tel (301) 496-1779; Email: rb175y@nih.gov.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER



When curiosity is developed to its full potential, great discoveries are made. At Pharmacia Corporation, we invest \$2+ billion a year in R&D with major activities focused in the areas of arthritis/inflammation, cancer, infectious diseases, cardiovascular and metabolic diseases, and disorders of the central nervous system. Exciting opportunities now exist for innovative, forward-thinking postdoctoral researchers to join our team.

The following opportunities are contract positions, engaged through Quantum Resources, a third-party employer. The selected candidates will work at our Kalamazoo, Michigan, facility, under the supervision of Pharmacia scientists.

POSTDOCTORAL RESEARCH ASSOCIATES

Neuroscience

This 2-year position for a behaviorally trained postdoctoral Research Associate represents an exciting opportunity to study animal models of neurodegenerative diseases, including Alzheimer's disease and psychiatric disorders such as anxiety and depression. You will work with our CNS Resource Group to provide a full laboratory infrastructure to serve a broad range of pharmaceutical discovery research. This position requires a PhD in Psychology, Neuroscience or Behavioral Pharmacology, background in behavioral testing in animal models, and good verbal and written communication skills. Must be a highly motivated individual with the ability to work effectively in a team environment. Experience with microdialysis or biochemical pharmacology methods is desired but not essential.

Biochemistry

We're looking for a highly motivated professional to join our Research Enzymology Group to conduct mechanistic studies on viral polymerases. You'll need a PhD in Chemistry or Biochemistry with extensive training in protein biochemistry and enzyme kinetics. A background in transient-state kinetics and experience with quench-flow and stopped-flow techniques are preferred.

Curious? Discover your potential with Pharmacia. For confidential consideration, please send your resume, indicating the position of your interest, to: **Beryl Galer, Quantum Resources, 8191 Moorsbridge Road, Suite G, Kalamazoo, MI 49024. Email: bgaler@quantum-res.com. EEO/AA.**

www.pharmacia.com

PHARMACIA

POSITIONS OPEN

FACULTY POSITION Chemical Biology/Pharmacology

The Department of Pharmacology and Molecular Sciences at the Johns Hopkins University School of Medicine is initiating a search for **TENURE-TRACK FACULTY** with research programs at the chemistry-biology interface. Targeted research areas include the development/synthesis of novel chemical reagents for studies on gene expression, molecular imaging, cell biology, and combinatorial approaches to ligand discovery. We are primarily interested in **ASSISTANT PROFESSOR**-level candidates. We seek individuals with a record of significant accomplishment in research and high potential for creative scholarship. An interest in graduate and medical student teaching is also important. The Johns Hopkins University School of Medicine provides a stimulating and supportive environment to carry out research in the biomedical sciences. Strong research programs in chemical biology, virology, cancer biology, neurosciences, and immunology exist within the Department of Pharmacology and Molecular Sciences as well as in the University as a whole. A letter of inquiry, curriculum vitae, summaries (one to four pages) of up to two research proposals, up to two reprints, and three reference letters should be sent by interested applicants to: **Dr. Philip A. Cole, Chair, Faculty Search Committee, Department of Pharmacology and Molecular Sciences, Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205. FAX: 410-614-7717.** *The Johns Hopkins University is an Equal Opportunity Employer.*

FACULTY POSITION Department of Anatomy and Neurobiology College of Medicine University of California, Irvine Reeve-Irvine Center for Nervous System Regeneration Research

Applications are invited for a non-tenure-track faculty position at the **ASSISTANT PROFESSOR** level in the area of spinal cord injury/nervous system regeneration. This appointment will be made as part of the continuing development of the Reeve-Irvine Research Center. The principal responsibility will be to coordinate and oversee a collaborative research program carried out in the Center. The ability to work collaboratively with other Investigators is essential. The candidate will be expected to develop an independent research program that would be in competition for external funding. Send curriculum vitae, list of publications, a summary of research goals, and names and addresses of at least three individuals who can provide letters of recommendation to:

**Tania Cusack
Reeve-Irvine Faculty Search
Reeve-Irvine Research Center
University of California, Irvine
2107 Gillespie Neuroscience Research Facility
Irvine, CA 92697-4292**

The University of California, Irvine, is an Equal Opportunity Employer committed to excellence through diversity.

POSTDOCTORAL POSITION Harvard Medical School and McLean Hospital

POSTDOCTORAL FELLOW to study genetic control of catecholamines at Department of Psychiatry, Harvard Medical School and McLean Hospital. Goal to identify transcription factors and mechanisms for hormonal and neural control of catecholamine biosynthetic enzymes and consequences of abnormal control for neuropsychiatric disorders. M.D./Ph.D. with training in molecular techniques including cell transfection, tissue culture, enzyme and protein assays, molecular biology, and rodent models. Send curriculum vitae and three letters of recommendation to: **Dr. Dona Lee Wong, McLean Hospital, MRC Number 116, 115 Mill Street, Belmont, MA 02478.** *McLean Hospital is an Affirmative Action/Equal Opportunity/Americans With Disabilities Act Employer.*

POSITIONS OPEN

FACULTY POSITION IN PHARMACEUTICS University of Iowa College of Pharmacy

The Division of Pharmaceutics invites outstanding applications for a tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** position. Applicants should have a Ph.D. in pharmaceutical, biomedical, or bioengineering sciences and research interests in drug delivery, biopharmaceutics, pharmacokinetics, or biophysical chemistry. The position offers excellent laboratory space, start-up package, and salary with expectation of establishing an independent research program and teaching in the graduate and professional curriculums. Information about pharmaceutics may be found at website: http://www.uiowa.edu/~pharmacy/Academic_Divisions/pharmaceutics/index.part.html. Applicants should submit curriculum vitae, a concise description of their proposed research, and a list of three references to the Search Committee Chairperson: **Lee E. Kirsch, Ph.D., Division of Pharmaceutics, College of Pharmacy, The University of Iowa, S221 Pharmacy Building, Iowa City, IA 52242-1112. Telephone: 319-335-8824; FAX: 319-335-9349; e-mail: lee-kirsch@uiowa.edu** by October 1, 2001. *The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.*

ASSISTANT PROFESSORS Tenure-Track Program on Membrane Proteins The University of Texas Medical Branch at Galveston

The Program on Membrane Proteins (PMP) at The University of Texas Medical Branch invites applications for tenure-track Assistant Professor positions in the field of membrane proteins using biophysical (structural or functional) or molecular-genetics approaches. This is an interdisciplinary program that includes experts in biochemistry, biophysics, genetics, molecular microbiology, structural biology, and pharmacology. Salaries are competitive and start-up funds will be provided (in part) from a grant from the Howard Hughes Medical Institute. Candidates should possess a Doctoral-level degree, a strong publication record, and clear potential for long-term external funding. The successful candidates will be appointed in one or more basic science departments and centers. Please send current curriculum vitae and publication list, a concise statement of research interests, and the names/addresses of at least three references to: **Luis Reuss, M.D., Department of Physiology and Biophysics, UTMB, 301 University Boulevard, Galveston, TX 77555-0641. E-mail: lreuss@utmb.edu.** *UTMB is an Affirmative Action/Equal Opportunity Employer; Minority/Female/Disabled/Veteran.*

A POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE POSITION is available immediately to study the effects of ethanol on regulation of cytokine signal transduction in liver. Potential projects include LPS stimulation of TNF α release by macrophages/regulation of TNF α mRNA stability. Candidates should have a recent Ph.D. in cell biology, biochemistry, or a related discipline and experience in signal transduction, molecular biology, and/or cytokine biology. Send curriculum vitae, statement of research interests, and names of three references to: **Dr. Laura Nagy, Department of Nutrition, Case Western Reserve University Medical School, 2123 Abington Road, Room 201, Cleveland, OH 44104-4906.**

POSTDOCTORAL POSITION available immediately in a laboratory studying the role of phosphorylation of the inositol 1,4,5-trisphosphate receptor in the regulation of signal transduction. Previous electrophysiology experience is required. Please send letter of interests, curriculum vitae, and the names of three references to: **Dr. Alan Fein, Department of Physiology, University of Connecticut Health Center, Farmington, CT 06030-3505. FAX: 860-679-1269; e-mail: afein@neuron.uchc.edu.** *UCHC is an Equal Opportunity Employer; Minorities/Females/Veterans/People With Disabilities.*

POSITIONS OPEN

FISHERIES BIOLOGIST/ ESTUARINE ECOLOGIST Northwest Fisheries Science Center

The Northwest Fisheries Science Center of the National Marine Fisheries Service (NMFS), NOAA, seeks a Fisheries Biologist/Estuarine Ecologist to serve on a multidisciplinary team of Scientists studying estuarine and ocean ecology of anadromous and marine fishes in the Pacific Northwest. The identification of critical habitat attributes and estuarine processes affecting the health and survival of important anadromous and marine species and the quality of their habitat in the Puget Sound region is the primary focus of this position. The incumbent will initiate and participate in research studies identifying important habitat features and delineating the important trophic interactions that affect fishery resources and the linkages between estuarine and ocean processes. The position requires the ability to utilize and adapt biological, ecological, and oceanographic techniques to identify relevant predator interaction and prey resources that affect anadromous and marine fishes, focusing on salmon; identifying the impact of abiotic factors to modulate the estuarine environment to provide suitable fish habitat that affect survival and fish population dynamics; and evaluate and model the role of the Columbia River estuarine environment to juvenile and adult salmonids. The individual also will assist with development of analytical methods for solving problems to ensure accuracy of and confidence in results, determine appropriate analyses and analyze research data, organize and write research reports and manuscripts for journals, and establish and maintain contacts with researchers in and outside of the NMFS. See website: <http://www.usajobs.opm.gov/a9NOAA.htm> for complete application information. Applications should be sent to: **NOAA, Human Resources Division, 7600 Sand Point Way N.E., Attention: W/NMFS/NWC/010441.RJ** and postmarked no later than September 7, 2001. For further information, contact: **Cheryl Morisaki; e-mail: cheryl.morisaki@noaa.gov.** *The Northwest Fisheries Science Center is an Equal Employment Opportunity Employer.*

FACULTY POSITION THEORETICAL CHEMISTRY McMaster University Department of Chemistry

The Department of Chemistry at McMaster University invites applications for a tenure-track position in the area of theoretical chemistry at the **ASSISTANT or ASSOCIATE PROFESSOR** position depending on qualifications. The successful candidate will hold a Ph.D. in physical chemistry or chemical physics, preferably with relevant postdoctoral experience, and will be expected to develop a strong research program and to participate in teaching at both the undergraduate and graduate levels. The position is available beginning July 1, 2002. Applications including curriculum vitae; research proposal; and letters from three references should be sent by October 31, 2001, to: **Dr. J.K. Terlouw, Chair, Theoretical Search Committee, Department of Chemistry, McMaster University, Hamilton, ON L8S 4M1 Canada. Telephone: +1-905-525-9140, Extension 27111; FAX: +1-905-522-2509.** *In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. McMaster University is committed to Employment Equity and encourages applications from qualified men and women, members of visible minorities, aboriginal peoples, and persons with disabilities.*

POSTDOCTORAL POSITIONS are open for the study of cardiac function via transgenesis and viral vector delivery systems (see *PNAS* 96:11982,1999; *Nature Medicine*, December 1999; *JCI* 107, 2001). Send summary of research/career goals, curriculum vitae, and names of three references to: **Dr. Joseph M. Metzger, Department of Physiology, 7730 Medical Science II, University of Michigan, 1301 East Catherine Street, Ann Arbor, MI 48109-0622.** *University of Michigan is an Equal Opportunity/Affirmative Action Employer.*



Universität Heidelberg
Ruprecht-Karls-Universität Heidelberg
Faculty for Clinical Medicine at Mannheim

The Professorship for Clinical Epidemiology (C4-Professur für Klinische Epidemiologie im Angestelltenverhältnis)

Applications are invited for this newly established Professorship. The post is associated with the directorship of a newly founded Institute for Clinical Epidemiology.

You should have a significant record of successful research in the field of Clinical Epidemiology. This is an exciting opportunity for an appropriately qualified person to join the research efforts of the Faculty for Clinical Medicine. Two additional Professorships for Medical Statistics, Biomathematics and Information Analysis, and for Public Health, Social- and Preventive-Medicine will be created. A close co-operation is anticipated with the Institutes for Medical Bioinformatics and Informatics within the Medical Faculty in Heidelberg. To succeed in this high-level career opportunity you must be an accredited academician with a Ph.D. or M.D. or equivalent scientific degree and with relevant expertise in clinical Epidemiology.

Section 1, Paragraph 67 of the Universitätsgesetz (University law) requires that a candidate without a previous appointment as university professor in the German university system be initially employed on a non-tenured basis. The appointee is not required to reapply for the position if his/her contract is to be extended beyond the initial term. Exceptions to these regulations may be granted if candidates from abroad or from outside the university system refuse to accept an appointment under these conditions.

The Ruprecht-Karls-Universität Heidelberg explicitly invites women to apply, since one of its goals is to increase the proportion of female scientists.

Applications should be sent to the Dean of the Faculty for Clinical Medicine at Mannheim, H. Prof. Dr. R. Hehlmann, Universitätsklinikum Mannheim, D-68135 Mannheim, Germany. The closing date for applications is 6 weeks after the appearance of this advertisement.

ASSISTANT PROFESSOR
SCHOOL OF KINESIOLOGY
SIMON FRASER UNIVERSITY

The School of Kinesiology at Simon Fraser University seeks junior scientists to fill two tenure-track positions at the level of Assistant Professor. We seek to appoint persons with expertise in: **Human Factors/ Ergonomics; Exercise Physiology (clinical or environmental); or Musculoskeletal Injury/ Neuromuscular Rehabilitation.** The successful candidates will be expected to establish independent, externally funded research programs and teach courses in their area of expertise at the undergraduate and graduate level. The School takes a scientific approach to the study of human structure and function and their relation to health and movement. The School has over 20 faculty and is renowned for its commitment to excellence in research and teaching. There are well established research programs and excellent research facilities available within the School and the University. Faculty are also actively involved in the new Institute of Health Research and Education at SFU. Our undergraduate teaching program includes concentrations in Active Health, Health and Physiological Science, and Human Factors/ Ergonomics. In addition to our regular Master's and Doctoral program in Kinesiology, the School plans to develop specialist programs in Human Factors/ Ergonomics and Health Sciences at the graduate level. Further information about the School of Kinesiology may be found at <http://fas.sfu.ca/kin>

Simon Fraser University is renowned for the high quality of its programs. Tenure-track appointments are for an initial probationary period of five years and include an excellent benefits package, a mortgage assistance package and a generous moving allowance.

The intended start date is as soon as possible. Priority will be given to applications received **by October 15th, 2001**, but additional applicants may be considered until the position is filled. To apply, please submit your curriculum vitae, three publications that you consider most important, a cover letter outlining your anticipated research directions and your philosophy and commitment to teaching, and the names and contact information of 3 referees, to be sent to: **J. B. Morrison, Ph.D., Director, School of Kinesiology, Faculty of Applied Sciences, Simon Fraser University, Burnaby, British Columbia, V5A 1S6, Canada.** *Simon Fraser University is committed to the principle of equity in employment and offers equal employment opportunities to qualified applicants. Preference will be given to Canadians and permanent residents, but non-Canadians are encouraged to apply. All appointments are subject to budgetary authorization.*

**nature
genetics**

Seeks an **ASSISTANT EDITOR**

Nature Genetics seeks an Assistant Editor to join its editorial team in New York City. Members of the editorial team evaluate manuscripts, oversee the review process, commission and edit News & Views articles and Reviews, and write news items and editorials. The successful applicant will also participate in building a new genomics web site, attend meetings and conferences, visit laboratories and maintain contact with the international scientific community. Applicants should have a strong research background in genetics (expertise in microarray analysis preferred), a broad interest in science and scientific ideas, excellent communication skills, and the ability to work closely with others.

The office is situated in lower Manhattan, and *Nature Genetics* editors work alongside those of other *Nature* research journals: *Nature Biotechnology*, *Nature Immunology*, *Nature Medicine*, *Nature Neuroscience* and *Nature Structural Biology*.

Applicants should submit a Curriculum Vitae, a short News & Views article (of 500–1,000 words), and a cover letter explaining their interest in the position to: The Editor, *Nature Genetics*, 345 Park Avenue South, New York, New York 10010, USA. (fax: 212 545 8341; e-mail: genetics@natureny.com)

The deadline for applications is 31 August, 2001.



UNIVERSITY OF DUBLIN

TRINITY COLLEGE

Bioinformatics / Molecular Evolution Postdoctoral and postgraduate positions

Postdoctoral and postgraduate positions are available in Prof. Ken Wolfe's group at the University of Dublin, Trinity College (Ireland). The projects will involve studying the molecular evolution of eukaryotic genomes, using bioinformatics: Using comparative genomics to investigate how gene order changes during evolution; Studying the impact of genome duplications and other large-scale DNA duplications on eukaryote genomes; Investigating whether significant clusters of functionally related genes exist in eukaryotes.

These fellowships form part of a new 5-year research programme supported by Science Foundation Ireland. For further information about the lab, see www.gen.tcd.ie/khwolfe.

Very competitive salaries (postdoctoral: up to Euro 65,734 per annum; postgraduate: up to Euro 25,395) will be available for outstanding applicants.

Previous experience in molecular evolution, bioinformatics, and/or computer experience in C / Perl / SQL is essential. Candidates should submit a covering letter and curriculum vitae, to include the names of two referees, by mail or e-mail to: Prof. Ken Wolfe, Department of Genetics, Smurfit Institute, Trinity College, Dublin 2, Ireland (Tel. +353 1 6081253; e-mail kh Wolfe@tcd.ie). Informal enquiries are welcome before the preferred closing date of 27 August 2001.

Trinity College is an Equal Opportunities Employer.

POSITIONS OPEN

ARIZONA BIOMEDICAL INSTITUTE Center for Pharmaceutical and Nutraceuticals Arizona State University

Arizona State University invites applications for two tenure-track faculty positions at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level in the Center for Pharmaceutical and Nutraceutical Research, a component of the Arizona Biomedical Institute (ABI). The ABI is a major initiative at Arizona State University and is funded by the State of Arizona to support economic growth. The focus of the Center, one of three initial components of ABI, is the use of biotechnology to create plant-based macromolecular pharmaceuticals (including subunit vaccines) and for metabolic engineering of plants to enhance health-related biochemical constituents. The successful candidates will hold faculty appointments in the Department of Plant Biology or other departments within the College of Liberal Arts and Sciences as appropriate. They will be expected to maintain a vigorous, extramurally funded research program and will be relieved of formal teaching responsibilities for three years. Thereafter, they will be expected to contribute to the undergraduate and graduate teaching programs in their home department. These positions are scheduled to begin on or before August 16, 2002. Applicants must have a Ph.D. in biological sciences, evidence of independent research productivity appropriate to rank, and research and teaching experience appropriate to rank. Experience in the use of plant molecular biology to create expression systems for pharmaceutical proteins or to manipulate biosynthetic pathways of health-promoting chemical constituents of plants is desired, as is evidence of successful competition for funding from human health agencies and demonstrated experience in research that leads to improving health and well-being through basic understanding of preventative medicine and related use of plant systems for discovery or creation of effective interventions. To apply, please submit curriculum vitae; statements of research interests and teaching philosophy; and names/addresses and e-mail addresses (if possible) of four references by October 15, 2001, to: **Dr. Charles J. Arntzen, Director, Arizona Biomedical Institute, ASU, P.O. Box 871601, Tempe, AZ 85287-1601.** *Affirmative Action/Equal Opportunity Employer.*

FORMULATIONS CHEMIST

The National Wildlife Research Center (NWRC), U.S. Department of Agriculture, has a vacancy for a GS-12 (\$51,927 to \$67,500 per year) Formulations Chemist in Fort Collins, Colorado. Full promotion potential is GS-13 (\$80,279). NWRC Scientists conduct multidisciplinary research related to wildlife damage management. The Formulations Chemist's primary function is to design and prepare formulations to develop active compounds (repellents, toxicants, drugs, etc.) into practical tools for wildlife management. Candidates with a Ph.D. in chemistry or related discipline, state-of-the-art knowledge of formulation chemistry, ability to perform in a multidisciplinary team setting, strong communication skills, and several years of pertinent experience are preferred. Interested persons should request information and an application from e-mail: linda.s.love@usda.aphis.gov or leave telephone number and address at **Telephone: 970-266-6083** before August 20, 2001. Additional information is available at **website: <http://www.aphis.usda.gov/ws/nwrc/>.** *The Federal Government is an Equal Opportunity Employer.*

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



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, or 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.*

POSTDOCTORAL FELLOWS CARDIAC MR

The Program in Integrative Cardiac Metabolism at the University of Illinois College of Medicine announces Postdoctoral positions in NMR spectroscopy and microimaging. This multidisciplinary program supports 5,500 square feet of research space with a dedicated, state-of-the-art NMR facility housing 9.4 T and 14.1 T spectrometer/imaging systems. Whole body systems at UIC are also available for cardiac MR at 1.5 T, 3 T, and the world's first 9.4 T system. Positions are open to individuals with experience in NMR and/or metabolism/energetics. Applicants must hold either an M.D. or Ph.D. degree. For fullest consideration, send curriculum vitae and summary of research interests to: **E. Douglas Lewandowski, Ph.D., Department of Physiology, MC901, University of Illinois at Chicago College of Medicine, 835 South Wolcott, Chicago, IL 60612.** **FAX: 312-996-2870.** *University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.*

CERTIFIED AND SELECTION SPECIALIST for Columbus, Ohio-area business that develops licensing examinations. Must research and prepare test questions using clinical research and research methodology and guidelines established by state licensing boards in biological and health professions. Must develop standardized tests incorporating bias as it affects minorities. Must prepare clinical scenario-based, multiple-choice examinations with weighted scoring using software such as Corel WordPerfect for test-item banking software and test and questionnaire analysis system for exam quality analyses. Must have M.S. degree majoring in microbiology or allied medical sciences. Completion of requirements for M.S. degree will be accepted. Must also have three months of experience working with test-item banking software or knowledge of education services and research and statistical analysis demonstrated by course work or three months of experience working with medical testing assessment package. Forty hours per week from 8 a.m. to 4 p.m. at \$48,500 per year. Send two résumés and cover letter (no calls) to: **Reference Number 8007D, P.O. Box 16808, Columbus, OH 43216.**

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.** Application date extended to September 3, 2001. Applications received by that date will be assured full consideration. *The University System of Maryland is an Equal Opportunity/Affirmative Action Employer.*

CHAIR, DEPARTMENT OF PHARMACEUTICAL SCIENCES

College of Pharmacy
North Dakota State University
Fargo, North Dakota

We invite inquiries, nominations, and applications for the Chair, Department of Pharmaceutical Sciences, to begin on or before 1 July 2002. Screening will begin 15 August 2001 and continue until the position is filled. Candidates must possess an earned Doctorate from an accredited institution; a distinguished record of teaching, research, and service commensurate with the rank of **ASSOCIATE PROFESSOR** or **PROFESSOR** with tenure; strong leadership skills; established excellence in interpersonal, communication, and administrative skills; a strong commitment to research and graduate programs; ability to articulate the mission of the College and Department; and participation and achievement in professional organizations. Preferred qualifications include experience with RO1 NIH grants or their equivalent, personnel management, budgets, faculty recruitment, and running meetings. Send nominations/applications (letter of interest, current curriculum vitae) to: **Kevin D. McCaul, Chair, Search Committee, 115D Minard Hall, NDSU, Fargo, ND 58105-5055.** For further information, visit **website: <http://www.ndsu.nodak.edu/pharmsci/index.htm>** or e-mail: kevin_mccaul@ndsu.nodak.edu. *NDSU is an Equal Opportunity Institution.*

SENIOR BIOPHARMACIST (in vivo group).

Develop and validate *in vivo* models of metabolism, cytochrome P50 (CYP) interaction, CYP reaction phenotyping, and/or drug absorption and tissue penetration. Develop quantitative methods of analysis of drugs and/or metabolites in biological systems. Conduct and interpret *in vivo* studies on absorption, metabolic stability, metabolite identification, and modulation. Requirements: Master's degree in biochemistry or closely related field and more than two years in the job offered or two years in industrial drug metabolism/pharmacokinetics or Bachelor's degree in the same plus five years of progressively responsible experience. Experience must include proficiency in drug/metabolite purification and isolation and in specific data capture/analysis of computer software. Forty hours per week; 9 a.m. to 5 p.m. Salary commensurate with experience. Send résumé to: **Box Number 103, 1200 New York Avenue N.W., Washington, DC 20005.**

The National Institute of Dental and Craniofacial Research (NIDCR), NIH is seeking applicants for three Health Scientist Administrator positions in the Division of Basic and Translational Sciences. Appointments in the Federal civil service will be made at the GS-13 or GS-14 grade levels; U.S. citizenship is required. For appointments made under Title 42, individuals may be U.S. citizens, resident aliens or non-resident aliens with valid employment-authorized visa.

The first position is for a Director of the Immunology and Immunotherapy Program. Areas of emphasis within the program include host immunity to microbes, vaccine development, innate immunity, cancer immunology, autoimmunity and immunotherapy.

The second position is for a Director of the AIDS and Oral Manifestations of Immunosuppression Program. This program includes etiology and pathogenesis of AIDS in the oral/craniofacial area, natural history and prevention of AIDS, oral neoplastic diseases and opportunistic infections associated with AIDS, as well as oral complications associated with immunosuppression.

The third position is for a Director of the Molecular and Cellular Neurobiology Program. The scientific areas included in this program are tissue innervation, neurophysiology, neuropathies, therapeutics, biomarkers and biomimetics as they relate to oral and craniofacial neurobiology.

The incumbent in each position will direct, administer and evaluate a portfolio of extramural grants, contracts and interagency agreements and will stimulate interest in and provide advice to the extramural community regarding the respective portfolios. In addition, each incumbent will participate in funding decisions, policy development, as well as implementation and coordination with other programs both within and outside of the NIDCR.

Applicants should have a D.D.S., Ph.D., or M.D. degree (or equivalent training) in a discipline related to the position. They should have independent research experience related to the Program, the ability to write reports and make oral presentations, and interpersonal skills needed for team activities. The salary range for these positions is \$63,211 to \$97,108 per annum, commensurate with experience. Physicians may be eligible for a Physician's Comparability Allowance (PCA) up to \$20,000 per year.

Copies of the full text vacancy announcements may be found on the World Wide Web at: <http://www.nidcr.nih.gov/about/joblist.asp>. Interested candidates may contact **Ms. Judy Dulovich, Human Resources Management Branch**, at (301) 496-6971 or by email: Judith.Dulovich@nih.gov. The application deadline for these positions is October 1, 2001. Applications will be accepted if postmarked, emailed, faxed or hand carried by the close of business on the deadline date.

NIH is an equal opportunity employer.

POSTDOCTORAL POSITIONS **Biochemistry and Cell** **Biology of DNA Repair**

As a member of the DNA Repair and Nuclear Organization Group, you will participate in an interdisciplinary research program investigating biochemistry, structure function analysis, and cell biology of the DNA double-strand break repair (DSB) pathways in mammalian cells. Research areas include 1) mechanisms of DNA nonhomologous end joining, 2) functions of homologous recombination in DSB repair, and 3) roles of DSB repair proteins at the telomere. Requires a PhD with training in molecular or cell biology and experience in protein biochemistry, recombinant protein expression, DNA homologous recombination assay, DNA end joining assays, protein-protein interaction or telomere metabolism and maintenance.

For technical questions, contact Dr. David J. Chen at DJChen@lbl.gov or (510) 495-2861. For consideration, email a detailed CV/resume and names and addresses of at least 3 references to biosciemployment@lbl.gov (no attachments), mail to Lawrence Berkeley National Laboratory Staffing, One Cyclotron Road, MS: 937-600, Berkeley, CA 94720, apply online at <http://cjo.lbl.gov/>, or FAX to (510) 486-5870. Reference Job #LS/013854/JS in your cover letter. AA/EOE.



A new world of plant biotechnology **has emerged** **in North Carolina.**

Dynamic, Exciting, Innovative. BASF has brought the future of plant biotechnology to Research Triangle Park (RTP) in Raleigh-Durham, NC. It's our new plant science biotechnology research center. As a new company of BASF, it will revolutionize plant biotechnology - developing and delivering the next generation of biotech-based plant science products. You could be an integral part of BASF Plant Science family.

Laboratory Leader: A Ph.D. in Plant Biochemistry or Plant Physiology. Post-doctoral training and experience in stress physiology at the whole plant level is desirable. Personal qualities must include excellent leadership and communication skills, proven ability to work effectively in multidisciplinary teams and a proactive, professional approach to your work.

Postdoctoral Scientist: A Ph.D. in Plant Biochemistry or Plant Physiology. Experience in stress physiology at the whole plant level is desirable. Personal qualities must include communication skills, proven ability to work effectively in multidisciplinary teams and a proactive, professional approach to your work.

Laboratory Leader: A Ph.D. in Molecular Biology with emphasis on transgenic gene expression and analysis is sought to lead a team in the Gene Discovery Group. Experience with plant systems, especially abiotic stress and/or lipid metabolism, would be beneficial. Your team will be working on the validation of candidate genes arising out of existing genomics projects. Strong molecular biology skills (e.g. high-throughput cloning) are a must and hands-on knowledge in expression profiling, laboratory automation and some bioinformatics skills will be a plus. You will have at least 3 years of post-doctoral experience and an excellent track record of accomplishments in an industrial or academic environment. Personal qualities shall include excellent leadership and communication skills, proven ability to work effectively in multidisciplinary teams and a proactive, professional approach to your work.

As an industry leader, we offer attractive salaries, comprehensive benefits and outstanding growth potential. Accelerate your career as you improve your quality of life. Send your resume indicating position of interest and salary requirements to **Human Resources, BASF Plant Science, 26 Davis Dr. Research Triangle Park, NC 27709** or fax to (919)572-2319. Please go to www.basf-plant-science.com for additional information.

We make careers better, too

BASF

POSITIONS OPEN



RESEARCH MICROBIOLOGIST/ PLANT PATHOLOGIST

The U.S. Department of Agriculture, Agricultural Research Service (ARS), Food Safety and Health Research Unit, Western Regional Research Center, Albany, California (San Francisco Bay area) is accepting applications for the position of a Microbiologist/Plant Pathologist (GS-12/13 depending upon training and experience; \$56,411 to \$87,212 per annum plus benefits). The incumbent conducts research within a broad project addressing the biology of bacterial human pathogens in fruits and vegetables. The incumbent defines approaches and plans experimental procedures on aspects of the project involving (1) studies of the microbial ecology of preharvest and postharvest field crops, especially lettuce; (2) the microbiology and biochemistry of the interactions between human pathogens including *Salmonella* species and *E. coli* O157:H7 and plant pathogens and epiphytes on plant surfaces and in food storage environments; and (3) development and testing of intervention methods for minimizing pathogen survival or virulence on fresh produce. Specific objectives of the research are to provide information for understanding the biology of human pathogens in pre- and postharvest fruits and vegetables through both laboratory and field studies. Applicants must have a Ph.D. in microbiology, plant pathology, or a related discipline and one year of specialized experience in basic research. *Candidate must be a U.S. citizen. Go to website: <http://www.afm.ars.usda.gov/divisions/hrd/index.html> and find announcement ARS-X1W-1427 for details and how to apply or contact: **Personnel; Telephone: 510/559-6012.** Closing date for applications is August 20, 2001. *USDA/ARS is an Equal Opportunity Provider and Employer.**

POSITIONS IN BIOCHEMISTRY AND STRUCTURAL BIOLOGY

Memorial Sloan-Kettering Cancer Center/ Rockefeller University Leukemia Center of Excellence

Several positions are currently being filled in the Leukemia and Lymphoma Society Leukemia Center of Excellence located jointly at the Memorial Sloan-Kettering Cancer Center and Rockefeller University. These positions are immediately available to analyze the biochemical and structural basis for the onset of human acute myeloid leukemia. Protein Biochemists/Molecular Biologists are sought at the **PRE-** or **POSTDOCTORAL** level to identify proteins and analyze protein function in primary leukemia cells and in cell culture models of leukemia. Two Structural Biologists are sought to analyze protein complexes associated with cellular transformation. A Ph.D. in any area of structural biology is required for the structural biology positions. Interested parties should send curriculum vitae and brief summary of research experience by e-mail or FAX to: **Milton H. Werner, Ph.D., Assistant Professor/Head of Laboratory, The Rockefeller University, 1230 York Avenue, Box 42, New York, NY 10021. Telephone: 212-327-7221; FAX: 212-327-7222; e-mail: mwerner@portugal.rockefeller.edu; website: <http://www.rockefeller.edu/labheads/werner/werner-lab.htm>.** *Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSOCIATE/POSTDOCTORAL POSITION available immediately for an Enzymologist with a Ph.D. in chemistry or biochemistry to study the molecular basis of protein binding and electron transfer between redox-active membrane proteins such as cytochrome P450. Knowledge of enzyme kinetics and ability to generate mutant proteins preferred. Salary commensurate with experience. Send résumé to: **L. Waskell, University of Michigan, VAMC, Research Service, 11R, Ann Arbor, MI 48105. E-mail: waskell@umich.edu.**

POSITIONS OPEN

INFORMATION SPECIALIST IN MOLECULAR BIOLOGY/GENETICS University of Pittsburgh

The Health Sciences Library System and the Center for Computational Biology and Bioinformatics, University of Pittsburgh, invite applications for the position of Information Specialist in molecular biology/genetics. Opportunity to develop and provide new specialized information-based services. Responsibilities include planning and implementing of services related to information management and resource development in molecular biology and genetics and consultation and training to assist and educate researchers, students, and clinicians in bioinformatics resource and database access, selection, and use. For a complete position description, see website: <http://www.hsls.pitt.edu/openings.html>.

Qualifications: Ph.D. in molecular biology, cell biology, genetics, or an equivalent field. Familiarity with biomedical resources, software, and databases. Salary competitive and commensurate with experience. Send application letter, résumé, and names of three references to: **Patricia C. Mickelson, MLS, Director, Health Sciences Library System, University of Pittsburgh, Scaife Hall, DeSoto and Terrace Streets, Pittsburgh, PA 15261.** Applications accepted until position is filled; first consideration given to applications received by September 15, 2001. *The University of Pittsburgh is an Equal Opportunity Employer.*

The Visual Sciences Research Center and Center for Diabetes Research at Case Western Reserve University, University Hospitals of Cleveland, and Stokes Veterans Administration Medical Center of Cleveland invite applications for a tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** rank. Individuals with research interests in biochemical and molecular aspects of diabetic retinopathy are encouraged to apply. The successful candidate will be granted a primary academic appointment in the Department of Ophthalmology and secondary appointments in VA hospital and a CWRU basic science department and will interact directly with an outstanding group of basic researchers and clinical retinal specialists. Competitive salary and generous start-up funds will be provided. Applicants should have a strong commitment to excellence in research and are expected to develop a vigorous research program. Research facilities are supported in part by a Core Grant, a training grant from NEI/NIH, and an unrestricted grant from Research to Prevent Blindness. Application review will start August 15, 2001, and continue until the position is filled. Applicants should submit curriculum vitae, statement of their accomplishments and future research directions, and names of three references to: **R. H. Nagaraj, Ph.D., Department of Ophthalmology, Weam Building, Room 643, Case Western Reserve University, Cleveland, OH 44106. E-mail: nhr@po.cwru.edu.** *CWRU, UHC, and VAMC are Affirmative Action/Equal Opportunity Employers.*

POSTDOCTORAL POSITIONS: neuroscience and molecular biology. The Rockefeller University. One or two Postdoctoral positions are now available for studying alterations in behavior and gene expression in rodent models of drug addiction. Research techniques to be utilized include rat and mouse intravenous self-administration, gene arrays, and solution hybridization. Experience in neuroscience and rodent self-administration is preferred but not requisite. Candidates must have an M.D. or Ph.D. or equivalent degree. Positions will remain open until filled. Salary is commensurate with experience; excellent health and housing benefits are available. Please send curriculum vitae and the addresses of three references to: **Dr. Mary Jeanne Kreek, Head of Laboratory, Laboratory of the Biology of Addictive Diseases, The Rockefeller University, Box 171, 1230 York Avenue, New York, NY 10021.** *An Equal Opportunity Employer.*

POSITIONS OPEN



ATHEROGENICS, INC.

AtheroGenics, Inc. is a biopharmaceutical company located in metropolitan Atlanta and engaged in the discovery and development of novel therapies for the treatment of chronic inflammatory diseases.

SCIENTIST/SENIOR SCIENTIST Molecular and Cellular Immunology

The Discovery Research group is seeking a highly motivated individual to join an interdisciplinary team where he/she will be responsible for establishing a research program for the identification and validation of novel therapeutic targets for chronic inflammatory diseases. Qualified candidates must possess a Ph.D. in cell/molecular biology, biochemistry, or a related field and have at least three to five years of postdoctoral training. In addition, the qualified candidate will have demonstrated research experience in cellular and molecular immunology and inflammation, preferably in a pharmaceutical or biotechnology drug discovery environment. Experience in immune cell biology, *in vitro* and cell-based assays, gene expression analysis, and signal transduction pathways is highly desirable. A strong capacity for self-motivation, excellent communication skills, and the ability to interact and collaborate successfully in a cooperative team environment are required. AtheroGenics offers an innovative and exciting scientific environment with competitive salaries and generous benefits package. To apply, FAX or send résumé to: **AtheroGenics, Human Resources, Job Code CK-5, 8995 Westside Parkway, Alpharetta, GA 30004. FAX: 678-336-4359; website: <http://www.atherogenics.com>.** No telephone calls, please. *Equal Opportunity Employer.*

Tilligen is seeking to hire a **RESEARCH SCIENTIST** to take a functional genomics/candidate gene approach to understanding biochemical pathways in crop plants. Candidates should possess a Ph.D. in plant physiology/biochemistry with at least two years of postdoctoral experience or equivalent. Must be capable of initiating and conducting independent scientific research in a multidisciplinary team environment. Excellent communication skills are essential.

Tilligen uses tilling technology to create new crop varieties. Tilling is a method for generating and rapidly identifying desirable mutation in genes of interest. When a particular mutation is identified, plants carrying the desired polymorphisms serve as the initial breeding stock for generating the new crop variety. Using tilling, we identify sought-after mutations in genes controlling valuable traits such as oil, starch and protein composition, secondary compound production, nutritional quality, growth characteristics, and pest and pathogen resistance.

Tilligen offers competitive salaries, benefits, and an employee stock option plan. For consideration, please send your résumé/curriculum vitae with references to: **Tilligen, Attention: Human Resources, 1000 Seneca Street, Suite 200, Seattle, WA 98101. FAX: 206-903-0263; e-mail: jobs@tilligen.com.** *Tilligen is an Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE in a multidisciplinary group of clinical and basic Scientists investigating cellular and molecular mechanisms of hormone resistance, cell differentiation and apoptosis associated with aging, and HIV-associated lipodystrophy. Individuals with experience in any of the following will be given preference: pull-down kinase assays, assessment of apoptosis, regulated gene expression, or phenotype regulation in skeletal muscle and/or adipose tissue. Candidates must have completed a Ph.D. degree in the biological or medical sciences (cellular or molecular biology preferred). Send curriculum vitae to: **Dr. Marie Gelato, Division of Endocrinology, Department of Medicine, HSC T-15 Room 060, Stony Brook University/SUNY, Stony Brook, NY 11794-8154.** *Affirmative Action/Equal Opportunity Employer.*

ANNOUNCEMENTS

Rapid Access to NCI Discovery Resources R*A*N*D Program

The National Cancer Institute is requesting applications for the following new initiative: Rapid Access to NCI Discovery Resources (R*A*N*D) program. The (R*A*N*D) program will make available to academic investigators, on a competitive basis, the discovery and early preclinical development contract resources of NCI's Developmental Therapeutics Program. The goal of R*A*N*D is to remove the most common barriers between basic research findings and their exploitation for discovery of new molecular entities. R*A*N*D does not fund grants; applications to the program are requests for NCI drug discovery and development resources to conduct specific tasks the applicants themselves are unable to carry out in their efforts to translate basic research findings to the discovery of new drugs and biologics. Examples of tasks that may be requested include: production/characterization of molecular target proteins; high-throughput screening (HTS) assay development; natural product isolation/characterization; synthesis of combinatorial libraries; early pharmacology and in vivo efficacy studies. R*A*N*D Program tasks will be distinct from the Rapid Access to Intervention Development (RAID) initiative. R*A*N*D will focus on lead discovery and optimization, whereas RAID will focus on later development after selection of a lead compound or construct.

The current deadline for receipt of applications is October 1, 2001; applications can be submitted April 1 and October 1 annually. A Letter of Interest (LOI) must be submitted via email to the Program Coordinator 30 days prior to the application deadline (September 1, 2001). Further information about this program, including detailed instructions for preparing proposals and LOIs can be found at <http://dtp.nci.nih.gov>. Telephone or email inquiries are encouraged and should be made to the Program Coordinator listed below: (R*A*N*D) Program Coordinator, Executive Plaza North, Room 8022, 6130 Executive Blvd., Rockville, MD 20852. Tel: 301-496-8720, Fax: 301-402-0831, rand@dtpax2.ncifcrf.gov

focus on
CAREERS:

POSTDOCTORAL Opportunities II

Issue Date 7 September 2001
Reserve space by 21 August 2001

Ph.D. students who want to take postdoctoral fellowships face key decisions such as where to pursue their further education, what discipline to study, and which group to study it with. **Their choices have expanded recently with the emergence of industrial organizations as locations for postdoctoral work.** This report will present insights on how to find the best industry laboratory in which to do a 'postdoc.'

To advertise, contact:

U.S. Daryl Anderson (202) 326-6543
Europe Deborah Cummings +44 (0) 1223 326 500
Australia Keith Sandell +61 29922-2977
Japan Mashy Yoshikawa +81 3 3235-5961

Science
www.sciencecareers.org



Director of Life Sciences Center University of Missouri-Columbia

The University of Missouri-Columbia invites nominations and applications for the position of Director of MU's new Life Sciences Center. The position reports to the Provost through the Office of Research.

We seek an enthusiastic, internationally recognized research scholar to provide vision and leadership for the Center. This is an exciting period of extensive and rapid growth in the numbers of our faculty and the size and quality of our resources in the life sciences. We are restructuring many of our activities to take full advantage of the unique opportunities afforded by this growth. The Director will contribute significantly to the vision and definition of the future of this rapidly expanding campus-wide life sciences enterprise. Faculty from MU's divisions of Agriculture, Food and Natural Resources, Arts and Science, Engineering, Health Sciences, Human Environmental Sciences, and Veterinary Medicine will form interdisciplinary research teams in the Life Sciences Center to work on topics in human and animal health, food production, and environmental protection.

The \$60 million Life Sciences Center will be completed in 2004. At full occupancy, the Center will house 50 principal investigators and 350 employees in up to 10 interdisciplinary research teams, composed of outstanding scientists already at MU and new faculty to be hired in the next five years. The Center's integrated basic and applied research programs will harness new technologies to improve crop productivity, food safety, and animal health and reproduction; develop new treatments and diagnostics for human disease; and enhance environmental quality, thus enabling MU to achieve world leadership in the life sciences in the 21st Century. MU is also actively engaged in the process to become a Comprehensive Cancer Center.

Nominees and applicants should have an earned doctorate with qualifications for tenured full professor in one of MU's academic departments and exceptional interpersonal and communication skills. A record of outstanding research accomplishments of National Academy caliber appropriate for serving as a leader of one of the Center's interdisciplinary research teams is expected. Demonstrated vision across the life sciences and an appreciation of the land-grant mission of MU is also expected.

The University of Missouri-Columbia is a comprehensive AAU, Carnegie Research I, land-grant institution with more than 18,000 undergraduate and over 5,000 graduate and professional students. The breadth of MU's academic programming on site is found at only five other universities in the nation. For the past 10 years, Columbia, Missouri has been continuously ranked as one of the top 20 places to live in the U.S.

Nominations and applications should be submitted to: **Life Sciences Search Committee, Office of the Provost, 114 Jesse Hall, University of Missouri-Columbia, Columbia, MO 65211.** Review of applications will begin September 24, 2001.

EOE/ADA

POSITIONS OPEN

ASSOCIATE RESEARCH SCIENTIST Microarray Technology

The W.M. Keck Foundation Biotechnology Resource Laboratory at Yale University invites highly motivated, goal-oriented applicants for an Associate Research Scientist position available immediately in the Department of Molecular Biophysics and Biochemistry to lead the development and implementation of Affymetrix Gene Chip™ technology in the rapidly expanding DNA Microarray Resource (website: http://info.med.yale.edu/wmkeck/dna_arrays.htm).

This position requires a Ph.D. in a relevant field with a strong background in applying molecular and computational techniques to the analysis of microarray data. Hands-on experience with Affymetrix Gene Chip™ fluidics station, scanner, and particularly Microarray Suite and downstream computational analysis is preferred. Qualified individuals must be prepared for the demands and rewards of working in a core laboratory. The successful applicant will be responsible for overseeing all aspects of establishing, carrying out, and maintaining the day-to-day operation of Affymetrix Gene Chip™ technology within the Keck Resource, which provides cost-recovery services to Yale and many more non-Yale Investigators. Send current curriculum vitae and a one-page summary of relevant research experience to: Janet Hager, Ph.D., Director Array Technology, W.M. Keck Biotechnology Resource Laboratory, Yale University Medical School, 333 Cedar Street, WWW5-Winchester Basement, New Haven, CT 06520. E-mail: janet.hager@yale.edu

The University is an Affirmative Action/Equal Employment Opportunity Employer and welcomes applications from all qualified candidates.

FACULTY POSITIONS

Genomics, Genetics, Models of Human Disease, Stem Cell Biology University of Rochester School of Medicine Center for Human Genetics and Molecular Pediatric Disease

The University of Rochester is developing a new Center for Human Genetics and Molecular Pediatric Disease that will focus on human genetic disease, gene-environment interactions, models of human disease and development, stem cell biology, and functional genomics and proteomics. The Center will recruit 10 junior and senior faculty who will be housed in a new state-of-the-art laboratory building and will collaborate closely with other Centers of the University's Aab Institute including the Centers for Aging and Developmental Biology, Cancer Biology, Cardiovascular Research, and Oral Biology. The Aab Institute provides a highly interactive environment with ready access to transgenic and DNA microarray cores.

Research faculty will have appointments in existing academic departments of the University and be expected to have or develop independently funded research programs. Applicants should send curriculum vitae, a brief statement of research interests, and contact information for at least three references to: Dr. Richard A. Insel, Director, Center for Human Genetics and Molecular Pediatric Disease, University of Rochester School of Medicine, 601 Elmwood Avenue, Box 703, Rochester, New York 14642. E-mail: richard_insel@urmc.rochester.edu.

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

Two POSTDOCTORAL POSITIONS in molecular microbiology are available at Georgia Tech to study the mechanism of dissimilatory iron and uranium reduction by *Sewanella putrefaciens* (website: <http://www.biology.gatech.edu/announcements.html>). Applicants should have a Ph.D. in microbiology/molecular biology with experience in bacterial gene cloning or protein isolation. Send curriculum vitae, publications, and three reference letters to: Dr. Thomas DiChristina, School of Biology, Georgia Tech, Atlanta, GA 30332. E-mail: td19@prism.gatech.edu. An Equal Opportunity Employer.

POSITIONS OPEN

DIRECTOR ADVANCED IMAGING RESEARCH CENTER Search Reopened

Oregon Health and Science University invites applications for the position of Director of its new \$22 million Advanced Imaging Research Center. The Center will be dedicated to biomedical research and serve as a core imaging research facility for the campus. We seek an M.D. and/or Ph.D. with a demonstrated MR research record, success in obtaining extramural funding, and a strong vision to develop a multidisciplinary imaging center. Expertise in MR physics and biomedical engineering is desirable. The appointment will be made at the level of ASSOCIATE PROFESSOR or PROFESSOR. The Director will be responsible for the management of three research-dedicated MRI scanners (small and larger bore) and the supervision of at least two additional Physicist and/or Engineering positions as well as core support staff. For full consideration, please e-mail curriculum vitae, names of three references, and a letter of introduction to: Christine Beckwith, Department of Behavioral Neuroscience L470, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098. E-mail: beckwith@ohsu.edu. For queries about the Center, contact: Dr. Jeri Janowsky; e-mail: janowskj@ohsu.edu. OHSU is an Affirmative Action/Equal Opportunity Employer.

A POSTDOCTORAL POSITION is available immediately to participate in an NIH-funded project to characterize the mechanism of Rho and Rac activation by heterotrimeric G protein-coupled receptors (J. Biol. Chem. 274:18675-18685, 1999; J. Biol. Chem. 275:6699-6702, 2000; J. Biol. Chem. 275:36767-39772, 2000). Additional information regarding this project is available at website: <http://www.guthrie.org/research/scientists/williams.asp>. Candidates with a Ph.D. and experience in molecular and cell biology should send their curriculum vitae and the names and addresses of three references to: Dr. Carol Williams, Molecular Pharmacology Laboratory, Guthrie Research Institute, Sayre, PA 18840. E-mail: cwilliam@inet.guthrie.org.

MICROINJECTIONIST

Stony Brook University Transgenic Mouse Facility seeks a Microinjectionist for production of transgenic and gene-targeted mice, mouse husbandry and surgeries, and culture of mouse embryonic stem cells. At least B.S. or equivalent and two years of relevant experience required. Excellent communication, record keeping, and computer skills preferable. Send or e-mail résumé to: D. Vogel, HSC, L-4, Room 172, Stony Brook University/SUNY, Stony Brook, NY 11794-8430. E-mail: vogel@dean.som.sunysb.edu. Affirmative Action/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 Immunology and Nutrition

NIH-funded Postdoctoral position to study the immunoregulatory properties of vitamin D. Requires a Ph.D. and related experience. Please send curriculum vitae, a summary of previous research, and three letters of recommendation to: Margherita Cantorna, Ph.D., Department of Nutrition, Pennsylvania State University, University Park, PA 16802.

POSITIONS OPEN

POSTDOCTORAL POSITION H. Lee Moffitt Comprehensive Cancer Center and Research Institute, Inc. Department of Interdisciplinary Oncology

A Postdoctoral position is available to study functional genomics associated with cell adhesion and hematologic malignancies. Studies will include cell adhesion-regulated gene expression related to cell survival and growth. The post holder will be in a primary position to interact with Physicians and Scientists in molecular oncology and bioinformatics. The project is well funded by the NIH/NCI. Candidates should have a Ph.D. or equivalent in molecular biology, genetics, or a related field and be experienced in the area of gene regulation and expression.

Applicants should send their curriculum vitae plus names and addresses of three references to: William S. Dalton, Ph.D., M.D., Chair and Professor of Interdisciplinary Oncology, Professor of Oncology, Biochemistry, and Medicine, Deputy Director, H. Lee Moffitt Comprehensive Cancer Center, 12902 Magnolia Drive, Tampa, FL 33612. Website: <http://www.moffitt.usf.edu>.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. For disability accommodations, contact: Mrs. Saunders; Telephone: 813-975-7894 at least five working days in advance. According to Florida law, applications and meetings regarding them are open to the public.

LANDSCAPE HORTICULTURE SPECIALIST in cooperative extension position with emphasis in urban landscape in the Department of Environmental Horticulture and the Landscape Architecture program, University of California, Davis. Eleven-month career-track appointment. Ph.D. required. Develop a statewide extension education and applied research program focused on issues in landscape horticulture and an academic resource for the Master Gardeners program in California. Contributions are expected in extension education, research, and university and public service. Submit letter of interest, curriculum vitae with publication list, two to three pages describing research, graduate transcripts if within five years of graduating, and names/addresses of three references to: Dr. Alison Berry, Department of Environmental Horticulture, University of California, Davis, CA 95616-8587. Telephone: 530-752-7683; e-mail: amberry@ucdavis.edu or slfielden@ucdavis.edu. Preferential deadline: 1 October 2001. UC is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL AND/OR STAFF POSITIONS

Functional Genomics/Bioinformatics

Three positions are available in an ongoing genomics program. Effort will focus on microarray evaluation of genome expression utilizing our more than 14,000-member unigenes set and continued development of our current Oracle database and methods for mining it. For further details see website: <http://www.botany.uga.edu/~prattlab>. Send curriculum vitae with contact information for three references to: Dr. Lee Pratt and Dr. Alan Gingle, Department of Botany, University of Georgia, Athens, GA 30602. FAX: 706-583-0210; Telephone: 706-542-1841 or 706-583-0226; e-mail: leepratt@uga.edu or agingle@uga.edu. Curricula vitae must be received by September 15, 2001.

Immediate opening for an NIH-funded POSTDOCTORAL RESEARCH ASSISTANT to study the mechanical linkages that underlie cell migration and shape (see J. Cell Biol. 141:1-4, 1998). The project involves micromanipulation of cultured cells and real time imaging with GFP-labeled proteins. Experience with digital microscopy and/or micromanipulation is desirable. Bioengineers are welcome. Send curriculum vitae plus a brief statement of research interests, career goals, and contact information for three references to: Dr. Robert Buxbaum, Department of Physiology, Michigan State University, East Lansing, MI 48824. E-mail: buxbaum@msu.edu.

ANNOUNCEMENTS



Molecular Approaches to Vaccine Design

November 29 - December 2, 2001

Abstract Deadline: September 26

Organized by

Rafi Ahmed, Emory University School of Medicine

Dennis Burton, The Scripps Research Institute

Emilio Emini, Merck Research Laboratories

Sessions

- Perspectives on Vaccine Development
- HIV Vaccine Design
- Malaria Vaccine Design
- Viral Immunity & Vaccines
- Bacterial Immunity & Vaccines
- Immunological Memory

Speakers

Chetan Chitnis, International Centre of Genetic Engineering & Biology, India

Peter Colman, Walter and Eliza Hall Institute of Medical Research

Philip Greenberg, University of Washington

Marc Jenkins, University of Minnesota

Keith Klugman, Emory University

Margaret Liu, Bill & Melinda Gates Foundation

Louis Miller, National Institutes of Health

Thomas Monath, OraVax Inc.

Gary Nabel, National Institutes of Health

Klaus Rajewsky, University of Cologne, Germany

Rino Rappuoli, IRIS, Chiron SpA, Italy

Alan Shaw, Merck Research

Other CSHL Fall 2001 Meetings

- Yeast Cell Biology
- Eukaryotic mRNA Processing
- Eukaryotic DNA Replication
- Microbial Pathogenesis & Host Response
- Programmed Cell Death
- Integrating Genome Sequence, Sequence Variation & Gene Expression
- Neurobiology of *Drosophila*
- Physiological Genomics & Rat Models

Cold Spring Harbor Laboratory

Meetings & Courses Programs

1 Bungtown Road

Cold Spring Harbor, N.Y. 11724

phone (516)367-8346 fax (516)367-8845

email: meetings@cschl.org

www.cshl.org/meetings

Science Serving Society

CENTER LEADER - Institute of Geophysics and Planetary Physics

The Earth and Environmental Sciences Division Director seeks a Director for the Los Alamos branch of the Institute of Geophysics and Planetary Physics (IGPP). This Center is a branch of a University of California multi-campus research unit with a mission to foster and sponsor collaborative research in solid earth geophysics, geochemistry, hydrology, planetary geophysics, astrophysics, ocean/atmospheric, and magnetospheric sciences and other geophysical and planetary phenomena between the Los Alamos National Laboratory, the University of California and other universities. The IGPP Director provides scientific/technical leadership and line management of IGPP.

Collaborations between the Laboratory and the University of California are very important to the intellectual vitality of the Laboratory, and the IGPP Director serves to foster such collaborations in the scientific areas mentioned above. The Director will be responsible for overseeing a yearly peer-review process to select proposals for funding. The Institute hosts visiting scholars, post doctoral fellows, and graduate students for short and long-term visits. Organizationally, the Institute is located within the Earth and Environmental Sciences (EES) Division that is within the Strategic and Supporting Research Directorate at Los Alamos. IGPP plays an institutional role within the Laboratory and encourages collaboration with scientists throughout the entire Laboratory.

The Director's line management responsibility includes accountability for the quality of research; strategic planning; development and maintenance of technical capabilities; environment, safety and health; security; workforce excellence, productivity, and diversity; financial management; cost effectiveness; and communications. The IGPP Director must maintain effective working relationships with leaders, managers, and staff throughout the Laboratory, government, university, and industrial officials and collaborators.

Requires a Ph.D. in a scientific or engineering field relevant to IGPP and demonstrated success in management of personnel in a scientific/technical organization. You must also have successful experience in establishing and maintaining research collaborations, and be able to obtain a Department of Energy (DOE) "Q" clearance, which usually requires U.S. citizenship. Knowledge of the following areas is desirable: Laboratory, University, DOE, other national and international programs of relevance to the Center's activities, management, and administration systems and practices of national laboratories and/or UC universities.

Notes to Applicants: For specific questions about the status of this job, call (505) 667-0763. A full description of the position can be found at <http://www.hr.lanl.gov/worldview/jobs>, Job #017583. For more information on the EES Division and IGPP, visit our Web site at <http://ees.lanl.gov:80>.

To Apply: Submit a comprehensive resume and cover letter that addresses the specific required criteria, referencing "Science017583", via email to jobs@lanl.gov, or via postal service to Los Alamos National Laboratory, Resume Service Center, Mailstop P286, Los Alamos, NM 87545.



Los Alamos
NATIONAL LABORATORY

Operated by the University of California
for the Department of Energy, AVEOE

www.lanl.gov/jobs

GLOBAL OPPORTUNITIES

Kuwait Institute for Scientific Research

KISR has a vacancy in the following field:

Research Scientist

MAJOR DUTIES:

- Assist the project leader of fisheries in data analysis and stock assessment
- Carry out projects in fisheries (shrimp and fish) population dynamics, including modeling and risk assessment.
- Supervise the projects staff to prepare papers, reports, and proposals in fields of stock assessment and population dynamics
- Supervise on-job-training of Kuwaiti staff in field of stock assessment

QUALIFICATIONS:

- Ph.D. in Fisheries Stock Assessment
- Excellent experience in fisheries data analysis and modeling for stock assessment and population dynamics, especially in estimation of parameters using high qualified statistical package such as SAS, SPSS or S-plus.

KISR offers attractive tax free salaries commensurate with qualifications and experience that include: gratuity, furnished accommodation, school tuition fees for the children, six weeks annual paid vacation, air tickets and life insurance.

Interested applicants are requested to send their vitae with supporting information not later than one month from the date of this publication, to:

Personnel Manager
Kuwait Institute for Scientific Research
P.O. Box 24885
13109 Safat, Kuwait

For further information, please visit our website at www.kisr.edu.kw or call the Employment Head at (965)481-3290 between 8:00am and 3:00pm (Sat-Wed).

POSITIONS OPEN

POSTDOCTORAL FELLOW POSITION in pediatric oncology research program. The Department of Pediatrics, Section of Pediatric Hematology/Oncology at West Virginia University, is seeking applications for a Scientist to become part of an established basic science laboratory with the following research interests: interactions between tumor cells and the bone marrow that impact on chemotherapy efficacy, damage to the bone marrow microenvironment imposed by aggressive treatment regimens, and investigation of strategies to optimize hematopoietic reconstitution following dose-intensive cancer therapy. In addition to laboratory-based activity, the successful applicant will be expected to participate in manuscript and grant preparation and will have the opportunity to participate in collaborative research efforts through interaction with the Blood and Marrow Transplantation Program of the Mary Babb Randolph Cancer Center. A Ph.D. or M.D./Ph.D. degree is required.

The Health Sciences Center at West Virginia University has a full complement of academic programs in the clinical and basic sciences and offers the advantage of a university setting in an area with reasonable cost of living, high quality of life, and easy access to abundant outdoor activities. The campus is approximately 70 miles south of Pittsburgh, Pennsylvania. Applications will be reviewed until the position is filled. Applicants should send a copy of their curriculum vitae, a letter addressing their qualifications and outlining their research goals, and a list of three individuals who can provide references to: **Laura F. Gibson, Ph.D., P.O. Box 9214, Department of Pediatrics, West Virginia University, Morgantown, WV 26506. E-mail: lgibson@hsc.wvu.edu.** West Virginia University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

PAIN RESEARCH

The University of Maryland, Baltimore

Multiple **POSTDOCTORAL/RESEARCH TRACK POSITIONS** (more than five) supported by a newly funded NIH program project grant are available to study the development and plasticity of somatic and visceral pain circuitry at the University of Maryland, Baltimore. We seek qualified candidates to study interactions between primary afferents, the spinal cord and brainstem at the systems, and cellular and molecular levels using animal models of somatic and visceral pain. Successful applicants will work primarily in one of the following laboratories: **Dr. Ronald Dubner, Dr. Matt Ennis, Dr. Michael Gold, Dr. Michael Lidow, Dr. Ke Ren, and Dr. Richard Traub**, but interaction with other laboratories is expected. Competitive salary/fringe benefits. Applicants must have a Ph.D. or equivalent. Submit curriculum vitae and names of three references (preferably by e-mail) to: **Dr. Richard Traub, University of Maryland, Department OCBS, 666 West Baltimore Street, Baltimore, MD 21201. E-mail: rjt001@dent.umaryland.edu.**

POSTDOCTORAL POSITION available immediately to study the signal transduction pathways involved in modulation of ion channels with a major focus on the actions of the small GTPases and their target proteins. Experience with electrophysiological and molecular biological techniques desirable. Please send curriculum vitae, a summary of research interests and experience, and the names and addresses of three references to: **Dr. S. V. Penelope Jones, Department of Psychiatry, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0603. E-mail: svpjones@ucsd.edu.** Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWS

Postdoctoral positions are available immediately to study regulation of genes involved in resistance to anticancer drugs and apoptosis as well as novel mechanisms of resistance. Ph.D. and background in molecular biology and biochemistry are required. Send curriculum vitae to: **Ahmad R. Safa, Ph.D., Indiana University Cancer Center, 1044 Walnut, R4-119, Indianapolis, IN 46202. FAX: 317-274-8046.**

POSITIONS OPEN



POSTDOCTORAL POSITIONS BAYLOR COLLEGE OF MEDICINE

Applications are invited for Postdoctoral positions in the Section of Infectious Diseases, Department of Medicine, Baylor College of Medicine. Successful applicants will actively participate in one of the following ongoing projects:

Molecular basis of Stat3 activation by G-CSF, IL-6, and EGFR and its role in differentiation, apoptosis, and inflammation (*Am. J. Physiol. [Cell Physiol.]*, **280**: C343-C351, 2001; *Blood* **93**:15-24, 1999; *J. Clin. Invest.* **102**:1385-1392, 1998; *J. Exp. Med.* **187**:917-928, 1998).

Rational drug design of anti-HIV agents and inhibitors of Stat3 including the determinations of structure-activity relationships between target and drugs, mechanism of binding interaction, and intracellular delivery system (*J. Biol. Chem.* **273**:34992-34999, 1998; *J. Biol. Chem.* **275**:3421-3430, 2000; *J. Biol. Chem.* **275**:21460-21467, 2000).

Mechanisms of host responses to microbial infection and tissue injury, specifically the role of the major extracellular matrix components, proteoglycans and elastin, in these processes (*Nature* **411**:98-102, 2001; *J. Biol. Chem.* **275**:29923-29926, 2000; *J. Biol. Chem.* **275**:3057-3062, 2000; *J. Biol. Chem.* **274**: 2845-2850, 1999).

Applicants must have a Ph.D. and/or M.D. degree. A strong background in molecular and cellular biology, biophysics with NMR experience, or translational research is desirable. Baylor College of Medicine is centrally located in the Texas Medical Center (world's largest medical center). Excellent resources are available. To respond, mark project number(s) in upper right corner of your curriculum vitae; then send or e-mail curriculum vitae with names of three references and a brief description of past accomplishments to:

**Ms. Tara Myers
Baylor College of Medicine
Section of Infectious Diseases**

**One Baylor Plaza
BCM 286, Room N1319
Houston, TX 77030**

**FAX: 713-798-8948 or 713-798-5702
E-mail: tdmymers@bcm.tmc.edu**

POSTDOCTORAL RESEARCH ASSOCIATE

Applications are invited for two Postdoctoral positions (1) to study the structure, function, and protein interactions of the erythrocyte membrane and (2) to develop and evaluate novel immunotherapies for cancer. Candidates with expertise relevant to either of these two areas are encouraged to send their curriculum vitae and names of references to: **Dr. Philip S. Low, Joseph F. Foster Distinguished Professor of Chemistry, Department of Chemistry, Purdue University, West Lafayette, IN 47907-1393. E-mail: plow@purdue.edu.** Purdue University is an Equal Opportunity/Affirmative Action Employer fully committed to achieving a diverse workforce. Women and minority applicants are encouraged to apply.

Three NIH-sponsored **POSTDOCTORAL POSITIONS** available to study human metabolism of flavonoids, isolation and characterization of phytochemicals, and gene-nutrient interactions in cell culture and animal cancer models. Ph.D. in nutrition, biochemistry, or natural product/organic chemistry required. Experience in HPLC or LC-MS analyses preferred. U.S. citizenship or permanent resident status required. Send curriculum vitae and three references to: **Dr. Susanne Henning, UCLA Cancer for Human Nutrition, School of Medicine, Warren Hall, 900 Veteran Avenue, Los Angeles, CA 90095. E-mail: shenning@mednet.ucla.edu; FAX: 310-206-5264.**

POSITIONS OPEN

RESEARCH FELLOWSHIP AND POSTDOCTORAL FELLOWSHIP Positions in Cancer Immunotherapy National Cancer Institute

The Tumor Immunology Section, Surgery Branch, National Cancer Institute, has immediate openings for a full-time Research Fellowship and two Postdoctoral Training Fellowship positions to develop novel immunotherapeutic approaches against common cancers in a laboratory with a track record in this field. A background in immunology and molecular biology is required. Applicants for the Research Fellowship position must have completed at least two years of postdoctoral training in immunology, and applicants for the Postdoctoral Fellowship must have a Ph.D. or equivalent degree.

Candidates should send a letter of interest, curriculum vitae, bibliography, five letters of reference, a detailed description of research plans, and copies of three published articles or book chapters. The completed application should be mailed to:

**Patrick Hwu, M.D.
Senior Investigator
Tumor Immunology Section
Surgery Branch, NCI
National Cancer Institute
Building 10, Room 2B42
Bethesda, MD 20892-1502
E-mail: Patrick_Hwu@nih.gov**

Selection for this position will be based solely on merit with no discrimination for nonmerit reasons such as race, color, gender, national origin, age, religion, sexual orientation, or physical or mental disability.

POSTDOCTORAL POSITION UNIVERSITY OF ILLINOIS AT CHICAGO

Postdoctoral position in sensorimotor integration available immediately. Research group takes neuroethological approach to studying integration in visual and somatosensory systems. Current projects include visual interneurons in insects and visual and somatosensory processing in the vertebrate midbrain (**website: <http://tiger.uic.edu/~ccomer/>**). Both areas open to postdoctoral involvement. Research group is highly interactive (**website: <http://www.uic.edu/las/LIN/>**). Ph.D. required in neurobiology or an appropriate related field. Experience with neurophysiology, neuroanatomy, and small animal surgery helpful. For fullest consideration, submit curriculum vitae and names of three references to: **Christopher M. Comer, Professor, Biological Sciences and Director, Laboratory of Integrative Neuroscience, University of Illinois at Chicago, 840 West Taylor, MC 067, Chicago, IL 60607. E-mail: ccomer@uic.edu.** Electronic copies accepted. Position will remain open until successful candidate is selected. *University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.*

Two **POSTDOCTORAL POSITION(S)** are available in the Laboratory of Allergic Diseases/NAIAD/NIH (**website: <http://www.niaid.nih.gov/dir/labs/lad.htm>**) to study the molecular and cellular immunology of allergic inflammation. A Ph.D. and/or M.D. and a background in molecular or cell biology is preferable. Salary based on relevant experience and education. Send a cover letter, curriculum vitae, summary of past work, and names and addresses of three references to: **Dr. Dean D. Metcalfe, LAD/NAIAD/NIH, Building 10, Room 11C205, 10 Center Drive, Bethesda, MD 20892-1881, USA. E-mail: dmetcalfe@niaid.nih.gov.**

POSTDOCTORAL POSITIONS available in beautiful New England to study mechanisms of stress response in *S. aureus* infections using both *in vitro* and *in vivo* models. Specific projects are regulation of SigB by novel genes, the role of SigB in chronic infections, and the interaction of SigB with nitric oxide. Experience with molecular and cell biology and fluorescence microscopy helpful. Send curriculum vitae and three letters of reference to: **Dr. Ambrose Cheung, Department of Microbiology, Vail 206, Dartmouth Medical School, Hanover, NH 03755. E-mail: ambrose.cheung@dartmouth.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITION IN NEUROSCIENCE

University of North Dakota
School of Medicine and Health Sciences

Three NIH-supported positions are available immediately to study molecular mechanisms of apoptotic pathways in neurodegenerative disorders including Parkinson's disease. 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 complete curriculum vitae, a statement of research goals, and three letters of recommendation to: **Manuchair Ebadi, Ph.D., Office of Associate Dean for Research and Program Development, University of North Dakota, School of Medicine and Health Sciences, 501 North Columbia Road, Room 5900, P.O. Box 9037, Grand Forks, ND 58203-9037.** *The University of North Dakota is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.*

POSTDOCTORAL POSITION ENVIRONMENTAL MICROBIOLOGY

The Department of Biological Sciences at Idaho State University (**website: <http://www.isu.edu/departments/bios/>**) invites applications for a Postdoctoral Associate to study applications of enzyme activity-dependent probes designed to detect chlorinated solvent-degrading bacteria in soils and ground waters. Applicants must have a Ph.D. in microbiology, microbial physiology, or biochemistry with a strong environmental emphasis. Position is anticipated for two years depending on funding and performance. This project is collaborative with the Idaho National Engineering and Environmental Laboratory (INEEL; **website: <http://www.inel.gov>**) where the individual will spend considerable time conducting research. Send curriculum vitae and names of three references to: **Maribeth Watwood, Department of Biological Sciences, ISU, Pocatello, ID 83209-8007** or e-mail **Dr. Watwood; e-mail: watwmari@isu.edu**. *ISU is an Equal Opportunity Employer.*

POSTDOCTORAL/RESEARCH: POSTDOCTORAL FELLOWSHIPS are available to start immediately in an NIH-funded laboratory involved in studies of heparin-binding, EGF-like growth factor (HB-EGF) and intestinal ischemia/reperfusion injury. Candidates should hold Ph.D. or M.D. degrees and should have a strong background and proven publication record in molecular biology and/or cell biology and/or protein biochemistry. Applications from individuals with a background or special interest in intestinal injury or wound healing would be particularly welcome. Experience in animal experimentation preferred. Interested individuals should e-mail or FAX their curriculum vitae and names of three references to: **Gail Besner, M.D., Department of Pediatric Surgery, Children's Hospital, 700 Children's Drive, Columbus, OH 43205.** E-mail: **besnerg@chi.osu.edu**; FAX: 614-722-3903; Telephone: 614-722-3914.

POSTDOCTORAL POSITIONS University of California

POSTDOCTORAL POSITIONS to study bacterial pathogenesis and the cellular biology of microbial infection. Fellows have the opportunity to acquire research skills using bioinformatics, microarray and molecular genetic techniques, and to utilize modern technology in experimental designs applied to infectious agents. Recent Ph.D. graduates with productive research background in microbiology, cell biology, and/or immunology are encouraged to apply. Send curriculum vitae and names of references by mail to: **Dr. R. S. Stephens, Program in Infectious Diseases, University of California, 140 Warren Hall, Berkeley, CA 94720-7360.**

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.*

X-RAY FACILITIES MANAGER

The Department of Molecular Biology at Princeton University is seeking an X-ray Facilities Manager to maintain X-ray equipment and crystallographic software. This position will involve working closely with two laboratories specializing in macromolecular crystallography and sharing X-ray and computational resources. Applicants must have at minimum a B.S./B.A. degree and excellent computer skills including previous experience in networked UNIX environments. Some training will be provided but the ability to work and learn independently is essential. Experience with macromolecular structure determination is preferred. This position offers the opportunity to play a key role in a stimulating academic research environment. Rank and salary are dependent upon qualifications and experience. Please e-mail cover letter and résumé (in the body of the e-mail) including names and telephone numbers of three references, to: **Yigong Shi (e-mail: yshi@molbio.princeton.edu)** or **Fred Hughson (e-mail: fhughson@molbio.princeton.edu)**. FAX: 609-258-6730. *Princeton University is an Equal Opportunity/Affirmative Action Employer.*

SENIOR POSTDOCTORAL POSITION available for synthesis, solid state, aqueous solution, and speciation chemistry of vanadium complexes. Duties include design of transition metal complexes with insulin mimetic properties to explore their mechanism of action. Ph.D. in chemistry required with expertise in synthesis of vanadium compounds on small and 100g scales, solution chemistry, multinuclear and 1-D and 2-D NMR, EPR, and IR spectroscopy. Experience with electrochemistry and biology also desirable. Salary: \$27,000 per year. Please send curriculum vitae and names of three references to: **Professor D.C. Crans, Department of Chemistry, Colorado State University, Fort Collins, CO 80523.** E-mail: **crans@lamar.colostate.edu**.

A **FELLOWSHIP** is available in the field of biotechnology. Research will include the development of techniques to characterize forces in biomolecular systems and their application in high-throughput screening. Details can be found at **website: <http://atom.ecn.purdue.edu/~gl/>**. Interested candidates should send their résumé and reference information to: **Professor Gil Lee, School of Chemical Engineering, 1283 CHME Building, Purdue University, West Lafayette, IN 47907-1283.** E-mail: **gl@atom.ecn.purdue.edu**. *An Affirmative Action/Equal Employment Opportunity Employer.*

POSITIONS OPEN

STEM CELL MOLECULAR BIOLOGY AND GENE THERAPY

POSTDOCTORAL POSITIONS in Johns Hopkins University available in a laboratory focused on stem cell molecular biology and gene therapy. Candidates may choose to join ongoing projects either on studying recently cloned novel genes that are selectively expressed in human blood stem cells or on stem cell-mediated gene transfer by lentiviral and oncoretroviral vectors. Our recent publications include (1) *Gene Therapy* 4:1013, 1997; (2) *Blood* 92:83, 1998; (3) *J. Cellular Physiology* 184:58, 2000; (4) *Genomics* 65: 283, 2000; (5) *Stem Cells* 19:247, 2001. Candidates with strong background of molecular and cell biology are encouraged to apply. Experience in mouse models, virus-mediated gene transduction, immunologic or hematopoietic assays, or primary cell isolation (including FACS) is a plus. Please send your curriculum vitae, a cover letter stating research interests, starting dates, and names of two references to: **Dr. L. Cheng, Division of Immunology and Hematopoiesis, Cancer Research Building, Room 208, Johns Hopkins University School of Medicine, 1650 Orleans Street, Baltimore, MD 21231.** FAX: 410-502-7213; e-mail: **Icheng@welch.jhu.edu**. *The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.*

POSTDOCTORAL POSITION at Weill Medical College of Cornell University studying neocortical epilepsy and functional architecture *in vivo*. Techniques include optical imaging of intrinsic signals, multiunit recording, and voltage-sensitive dyes. Computer programming, image processing, and/or mammalian cortical physiology and histology experience highly desirable. Ph.D. and fluent English required. Ongoing collaborations with various basic Scientists including **G. Buzsaki, J. Victor, A. Grinvald, R. Yuste, and E. Kaplan**. We will also be pursuing intraoperative human imaging. Possibility to remain on staff as tenure-track faculty pending independent funding after three years of support. Please send curriculum vitae, statement of research interests, and the names of three references to: **Theodore H. Schwartz, M.D., Department of Neurosurgery, Weill Medical College, 525 East 68th Street, Box Number 99, New York, NY 10021.**

MARKETPLACE

The World of Science Online

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

Science

www.scienceonline.org

DNA Sequencing and Genotyping
Northwoods DNA Inc.
\$9 - \$13 / run
service@nwdna.com www.nwdna.com

Circle No. 26 on Readers' Service Card

TREVIGEN®
new **PARP**
Poly (ADP-ribose) Polymerase Reagents
• Non-Isotopic Assays
• PARP Antibodies & Substrates
• PAR Polymers & Substrates
• Biotinylated NAD
www.trevigen.com
US & CAN 1 800 873 6443 • TEL 301 216 2800 • FAX 301 216 2801

Circle No. 43 on Readers' Service Card



**MORE PRODUCTS
ON PREVIOUS PAGE**

**your Single-Source
Antibody Authority**



**STRATEGIC
BIOSOLUTIONS**

Custom Antibody Services

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

800.481.9737

www.strategicbiosolutions.com

Circle No. 32 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. 44 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. 33 on Readers' Service Card

CUSTOM MICROARRAYS

RELIABLE FAST ACCURATE

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



Circle No. 31 on Readers' Service Card

Premier Specialty DNA Synthesis

Molecular Beacons, RNA,
Antisense Oligos, Dual-Labeled
Fluorescent Probes & More.



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

Circle No. 38 on Readers' Service Card

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. 39 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. 37 on Readers' Service Card

3 O.D. Select Oligos

NEW LOW PRICE

Just \$0.45/base*

Order through our Web site and we'll ship you 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@sigmalabs.com

Circle No. 34 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. 40 on Readers' Service Card

MERLIN® Custom Services



Plasmid Purification

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

*minimum of 5 mgs
1-800-4-PLASMID • www.qbiogene.com

Circle No. 42 on Readers' Service Card

BIO●SYNTHESIS, INC.

CUSTOM PEPTIDES, OLIGOS ANTIBODIES

800-227-0627 www.biosyn.com

Circle No. 36 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@sigmalabs.com

Europe

(+44) (0) 1223 839000

info@sigma-genosys.co.uk

Circle No. 35 on Readers' Service Card

Be First - Go Custom!

CUSTOM PEPTIDE & ANTIBODY PRODUCTION

- Leading manufacturer of
phosphospecific antibodies
- Unsurpassed technical support

800-435-2080

On-line: peptide@biosource.com

biosource.com

Circle No. 28 on Readers' Service Card

Antibodies That Work!

Great Zymed Performance:
Including The Best Antibody To...

Phospho p27

ZYMED LABORATORIES INC. www.zymed.com

South San Francisco, California, U.S.A. 1-650-871-4494

Circle No. 30 on Readers' Service Card

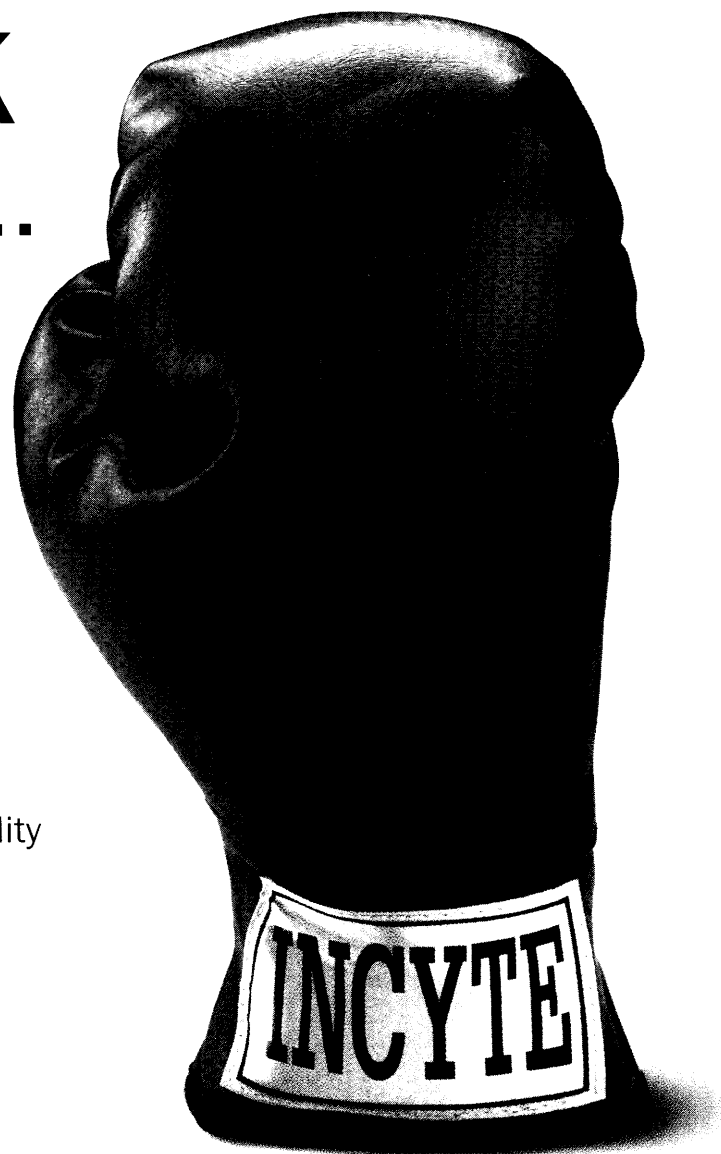
Custom Antibody Production

1-800-533-4363

ResGen™
Invitrogen Corporation

Circle No. 41 on Readers' Service Card

LifeArray™ chips will **knock** you out with...



Unrivaled gene content

Unbeaten sensitivity

Unmatched reproducibility

Now every researcher can get the most sensitive, reproducible human, rat and mouse microarrays. Use them in your own lab or send us your samples for an unrivalled 5-15 day turnaround service. Only Incyte LifeArray™ chips give you more than 50,000 gene transcripts not available from any other microarray provider and the power to detect up to 1 part in 100,000 with a differential sensitivity of 1.7-fold at 99% confidence. No one else even comes close. Plus, cDNA clones matched to every element extend your research to the next round. It's your experiment. Give yourself the upper hand. Call or go online for a complete listing.

www.incyte.com

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



IncyteGenomics
For Life.

Circle No. 48 on Readers' Service Card

The world's leader in cytokine reagent development – R&D Systems offers over 575 proteins for cytokine and cytokine-related research. Greater than 95% pure, our proteins have high biological activity, low endotoxin level and are available in bulk quantities. All product inserts are available on the R&D Systems web site at www.rndsystems.com.

NEW

ADHESION MOLECULES • CYTOKINES • CHEMOKINES Recombinant Protein RECEPTORS • ENZYMES



Extensive line for:

- Human
- Mouse
- Rat

Expanding line for:

- Porcine
- Canine
- Feline
- Chicken
- Bovine
- Drosophila
- Viral

**R&D Systems,
making the cutting edge
discoveries of today your
research tools tomorrow.**

NEW Proteins

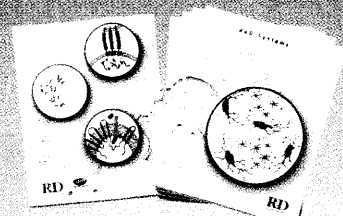
Human	Mouse
• ALK-1	• ALK-1
• BACE	• BID
• BCAM	• CCL28
• BID	• Chordin
• BMP-2	• CXCL16
• BMP-7	• I-TAC
• Contactin	
• TACE	

Canine	Viral
• IL-4	• IL-10

... and many more

Please visit our web site at www.rndsystems.com for new product information and subscribe to our weekly new product E-mail update.

OVER 3500 REAGENTS
for all of your research needs



Proteins • Antibodies • Immunoassays • ELISpot •
cDNA Expression • mRNA Quantitation • Apoptosis
Detection • Enzyme Activity • Cell Enrichment •
Primer Pairs • Probes • Flow Cytometry

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

North America
R&D Systems, Inc.
614 McKinley Place NE
Minneapolis, MN 55413, USA
Tel: 612 379-2956
Fax: 612 379-6580
info@rndsystems.com

Europe
R&D Systems Europe Ltd.
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, UK
Tel: +44 (0)1235 529 449
Fax: +44 (0)1235 533420
info@rndsystems.co.uk

Germany
R&D Systems GmbH
Borsigstrasse 7
65205 Wiesbaden, Germany
Tel: +49 (0)6122 90980
Fax: +49 (0)6122 909819
info@rndsystems.co.uk

Europe Free Phone –
Belgique/België: 0800 10 468
Danmark: 80 01 85 92
France: 0800 90 72 49
Nederland: 060 225607
Norge: 800 11033
Sverige: 020 79 31 49
Switzerland: 0800 55 2482

**R&D
SYSTEMS**

1-800-343-7475
www.rndsystems.com