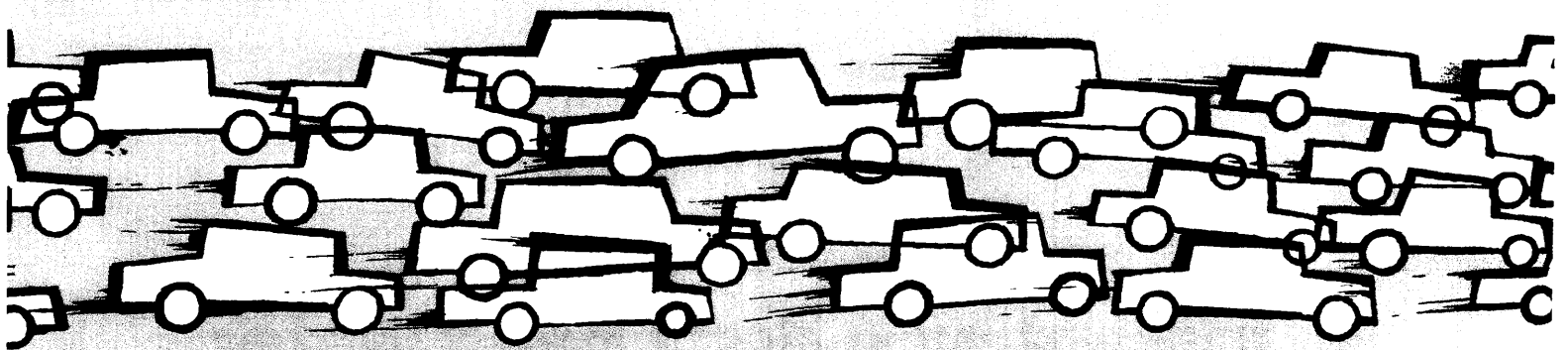
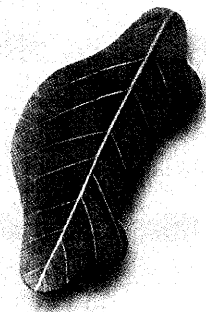


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Peptide nucleic acid (PNA) probes are DNA mimics with higher specificity and rapid hybridization kinetics. PNA Micro Dx Probes and PNA Micro Dx Reagent Kits are available for rapid identification of bacteria. Species-specific probes are available targeting rRNA of *Salmonella enterica*, *Staphylococcus aureus*, *Escherichia coli*, and *Pseudomonas aeruginosa*, as well as universal PNA probes for eubacteria and eukaryotes. The probes are available labeled with Cy3, fluorescein, or peroxidase. The kits provide an attractive assay format for fluorescent in situ hybridization and dot-blot analysis.

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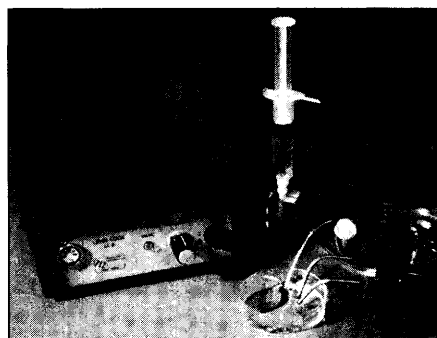
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Fluid level control for very small chambers is frequently needed in patch clamp, intracellular, and extracellular recordings (to stabilize bath capacitance); imaging studies (to ensure optical clarity); and in any experiment requiring accurate solution flow, especially on a microscope stage. The Lev-elock LL-2 offers fluid level control for volumes as low as 1 ml and handles flow rates up to 9 ml/min, with minimal surface disturbance and accuracy down to 100 μ m. Electrical noise and mechanical artifacts are minimized for patch clamp applications. The LL-2 measures fluid level in a chamber via a contact optical sensor (fiber optic cable with a section of insulator carefully removed). The fiber is bent 180° at the bare

ALA Scientific Instruments

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point. As the bend in the sensor contacts the fluid surface, the liquid absorbs a percentage of the infrared light (by refraction), depending on the depth of the sensor. An analog signal is translated into valve activity in relation to the surface position on the sensor.

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POSITIONS OPEN



ANATOMY AND NEUROBIOLOGY CHAIR SEARCH

The College of Medicine of the University of Tennessee Health Science Center seeks an accomplished **SCIENTIST** for the Simon R. Bruesch Professorship and Chair of the Department of Anatomy and Neurobiology. The Department has 23 full-time faculty who are very well funded and recognized for their contributions to developmental, membrane biophysics, and integrated systems approaches to neurobiology. The Department is located in newly renovated research facilities and has advanced instrumentation for calcium and computer-assisted imaging and confocal microscopy. In addition, the Health Science Center is actively developing advanced molecular, genomic, and bioinformatic capabilities. Applicants for this position should hold the M.D. and/or Ph.D. degree or equivalent with established credentials in education, an internationally recognized basic research program, and the capability for strong academic leadership. We are especially interested in individuals who are enthusiastic about participating in the leadership of a highly interactive neuroscience research community that includes faculty from multiple hospitals and academic campuses.

The initial pool of applicants will be reviewed by January 30, 2001. However, the application process will remain open until the position is filled by a suitable candidate. Applicants are requested to submit curriculum vitae and the names and addresses of three references along with a letter of intent to:

Burt M. Sharp, M.D.
Chairman, Anatomy and Neurobiology
Advisory Committee
The University of Tennessee
Health Science Center
800 Madison Avenue
P.O. Box 63647
Memphis, TN 38163

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MARINE MICROBIOLOGIST COOK COLLEGE, RUTGERS UNIVERSITY

The Department of Biochemistry and Microbiology and the Center for Deep Sea Ecology and Biotechnology, Cook College, Rutgers University, invite applications for a Marine Microbiologist. **ASSISTANT PROFESSOR**, academic-year, tenure-track joint position to start September 1, 2001. Applicants should have expertise in the isolation, culture, and molecular characterization of microorganisms from deep sea environments (e.g., extremophiles) with special reference to biotechnological applications. The successful candidate is expected to contribute to the mission of The New Jersey Agriculture Experiment Station and work with multidisciplinary teams. The candidate will be expected to develop independent extramural funding and to teach in undergraduate/graduate microbiology courses. Review of applications will begin February 1, 2001. Send curriculum vitae, statement of research interests, and names of three references with contact information and e-mail addresses to: **Dr. Douglas Eveleigh, Department of Biochemistry and Microbiology, Cook College, Rutgers University, 76 Lipman Drive, New Brunswick, NJ 08901-8525. Website: www.cook.rutgers.edu/~dbm/.** Rutgers University is an Affirmative Action/Equal Employment Opportunity Employer.

POSITIONS OPEN

SITLINGTON CHAIR IN MOLECULAR PLANT BIOLOGY

The Oklahoma State University (OSU) Division of Agricultural Sciences and Natural Resources invites applications at the **ASSOCIATE** or **FULL PROFESSOR** level to fill the Sitlington Chair in Molecular Plant Biology. Applicants should have a Doctorate in a biological science and an internationally recognized research program that focuses on fundamental mechanisms in plant biology. Research areas of interest include but are not limited to biotic and abiotic stress, metabolic engineering, signal transduction, genome evolution, development, and gene silencing. Applicants with a strong background in functional genomics are especially encouraged to apply. This full-time (11-month) position encompasses a 75% research and 25% teaching effort. A significant endowment is available to support ongoing research activities. The successful applicant is expected to (1) develop a strong, externally funded research program; (2) provide innovative training at the undergraduate and graduate levels; and (3) foster strong academic ties among 25 interdisciplinary research groups associated with the OSU Plant Biotechnology Network (**web-site: <http://plantbionet.okstate.edu>**). State-of-the-art research facilities at OSU include a recombinant DNA/protein resource facility; plant transformation facility; hybridoma center; microscopy center with TEM, SEM, and confocal microscopes; and an NMR facility with 600 and 400 MHz instruments. The Chair position will be filled in one of the following departments: Biochemistry and Molecular Biology, Entomology and Plant Pathology, Forestry, Horticulture and Landscape Architecture, or Plant and Soil Sciences. Opportunities exist for significant research collaborations with the Plant Biology Division of the S.R. Noble Foundation in Ardmore, Oklahoma. Preference will be given to individuals who complement and enhance areas of research strength in Oklahoma. Review of applications will begin January 25, 2001, and continue until the position is filled. Applicants should submit a letter addressing research and teaching philosophy and future research plans, curriculum vitae, the names of four references along with contact information, and reprints of major publications to:

Dr. Charles M. Taliadro
Search Committee for Sitlington Chair
in Molecular Plant Biology
Division of Agricultural Sciences
and Natural Resources
Oklahoma State University
368 Agricultural Hall
Stillwater, OK 74078-6028
Telephone: 405-744-9627
E-mail: cmt@mail.pss.okstate.edu

PHYSIOLOGY POSITION

The Department of Biomedical Sciences of the Ohio University College of Osteopathic Medicine is seeking to fill a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level to begin by fall of 2001. Primary responsibilities are to teach organ system physiology in a clinically oriented, innovative medical curriculum and to develop an externally funded research program. Priority will be given to individuals with expertise in renal or gastrointestinal physiology. A Ph.D. (or equivalent) and a minimum of two years of postdoctoral training are required. The 11-month salary will be commensurate with experience and accompanied by an excellent benefits package and start-up funds. Review of applications will begin February 15, 2001. Applications will be accepted until the position is filled. Submit a brief statement of research and teaching goals, curriculum vitae, representative reprints, and three letters of recommendation to: **Richard E. Klabunde, Ph.D., Search Committee Chair, Department of Biomedical Sciences, Ohio University College of Osteopathic Medicine, Irvine 304, Athens, OH 45701. E-mail: klabunde@ohio.edu; Department website: www.oucom.ohio.edu/dbms.** Ohio University is an Affirmative Action/Equal Opportunity Employer.



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It's a three-point strategy that enables Tanox to focus on three key areas of worldwide health: immunology, infectious diseases and oncology. First, we understand the biology of the disease. Second, we identify a key factor responsible for that biology. And third, we generate an effective drug targeting that key component.

Tanox is a well-funded biotechnology leader in the discovery and development of new, therapeutic products for major human diseases and has a broad portfolio of exciting technologies currently in development. Join us in our state-of-the-art research and manufacturing facilities to create leading therapies that improve human health.

PROTEIN CHEMISTRY

Multiple opportunities available. Candidates should possess a BS, MS or Ph.D. in Biochemistry or a related discipline. Requires 1-3 years experience in protein expression, purification, and characterization. Must be familiar with HPLC, SDS-PAGE, IEF and other standard protein chemistry methods. Experience in the development of therapeutic antibody and real-time kinetic analysis (Biacore) is a plus.

GENOMICS/BIOINFORMATICS

RESEARCH SCIENTISTS

Responsible for identification and validation of novel therapeutic targets in the area of immunology and oncology. A Ph.D. in Molecular Biology or a related field with at least 2 years of post-doctoral training are required.

RESEARCH ASSOCIATES

Responsible for generating cDNA libraries, implementing quantitative RT-PCR methods, and gene expression profiling technologies. Requires a Bachelor's or Master's Degree in life sciences with 2+ years of experience.

BIOINFORMATICS SCIENTISTS

Responsible for providing DNA and protein sequence analysis/design and developing databases. Will also evaluate, integrate and develop computational tools for analysis of genomics and gene expression profiling data. Requires a Ph.D. or MS degree in Biology and/or Bioinformatics.

CELL BIOLOGY

RESEARCH SCIENTISTS

Multiple opportunities exist in the areas of inflammation and innate immunity as well as neurodegenerative diseases and apoptosis. Positions require a Ph.D. and/or M.D. with 2-4 years of post-doctoral research in these areas. Strong technical skills in cell-based assays, immunochemical assays, tissue culture, and/or gene cloning and apoptosis are a must.

RESEARCH ASSOCIATES

1) Requires a B.S. and/or M.S. with at least 3 years of experience in generation and characterization of monoclonal antibodies in a hybridoma core group. Strong technical skills in tissue culture, immunochemical and cell-based assays are a must. Experience in molecular biology and protein chemistry is desirable.
2) Requires a BS or MS with at least 1 year laboratory experience in both cell and molecular biology. Techniques include cell culture, ELISA, electrophoresis and chromatography, and gene cloning.

MOLECULAR BIOLOGY

ANTIBODY ENGINEERING /

PHAGE DISPLAY (SCIENTISTS)

A minimum of 3 years postdoctoral training is required. Must have experience with antibody phage display, combinatorial library construction, expression and characterization of antibodies. Responsibilities include humanization, affinity maturation and discovery of antibodies.

MAMMALIAN EXPRESSION

(SENIOR SCIENTIST, SCIENTIST, AND RESEARCH ASSOCIATES)

A minimum of 3 years experience in mammalian expression system, particularly for large-scale antibody production is required. Must have knowledge of expression vector construction, transfection, cell line screening, and medium optimization. Experience with serum-free medium and bioreactors is desired. Background must include cDNA cloning, and other expression system (E. coli, yeast, and baculovirus) is a plus.

PROCESS DEVELOPMENT

SENIOR PROCESS

DEVELOPMENT SCIENTIST

This position leads the cell line development group in constructing and optimizing production cell lines expressing recombinant proteins. Requires a Ph.D. in Biological Science with at least 5 years of relevant industrial experience. Must be familiar with transfections, rapid screening methods and genetic modifications of novel cell lines.

SENIOR PROCESS

DEVELOPMENT SCIENTIST

This position develops processes for the recovery and purification of recombinant proteins from mammalian cell culture. Requires a Ph.D. in Biochemistry or Protein Chemistry with at least 5 years of relevant industrial experience.

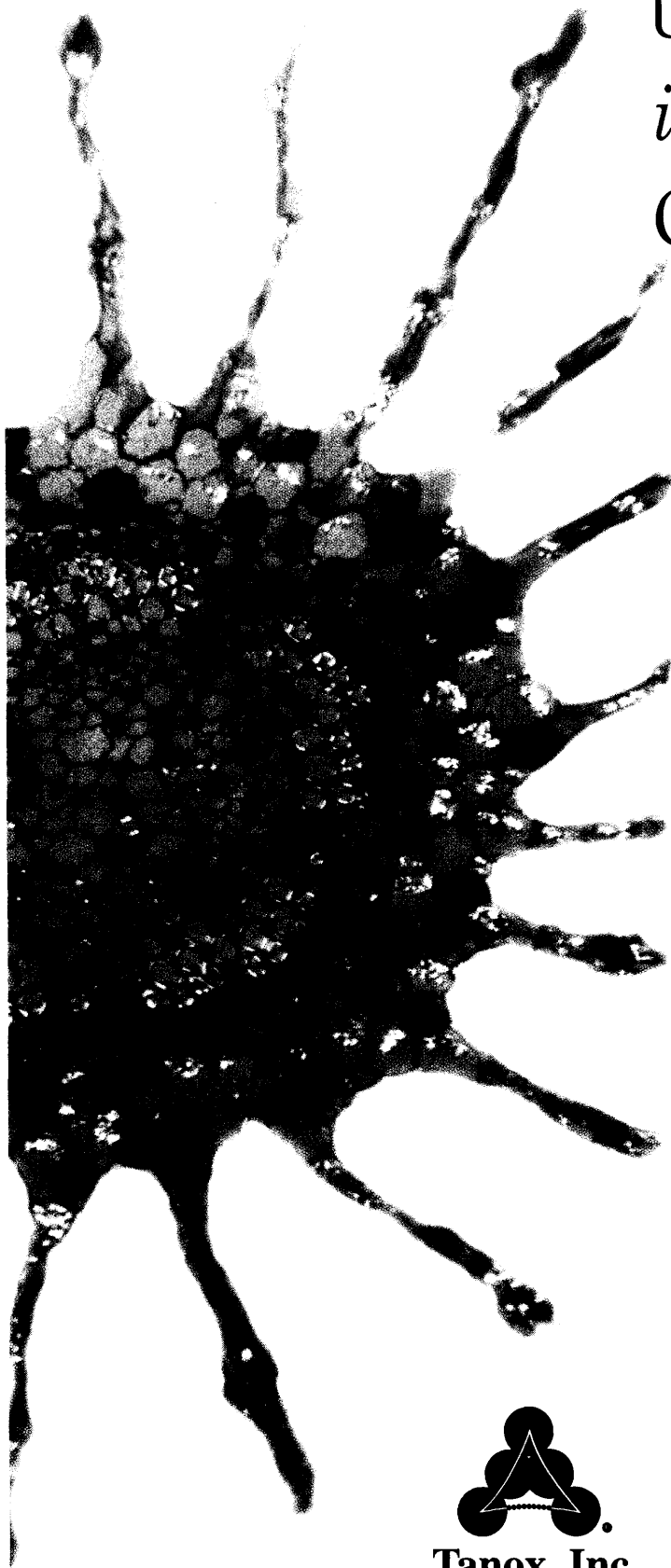
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Isis Pharmaceuticals, Inc., is a leading genomics-based drug discovery and development company that is focused on RNA. Our goal is to create important new drug discovery technology platforms that will improve the productivity of the pharmaceutical industry and will enable our discovery and development of important new drugs to treat disease and to improve the lives of patients. We have integrated our expertise to create two exciting technologies, antisense and Isis Therapeutics, a robust pipeline of drugs in development and genomics services (GeneTrove™). Our technologies are already generating an exciting and renewable product pipeline for Isis. Through advances of this caliber, we seek to change the landscape of disease treatment and patient quality of life. We are currently seeking the following professionals to join our growing team.

Functional Genomics - GeneTrove™

Associate Director/Director

Senior-level leader to head a group responsible for developing high throughput cell culture based assays. Work closely with a multi-disciplinary team responsible for defining the function of novel gene products and validating novel genes as potential drug targets. The candidate should have a Ph.D. or MD with 6+ yrs post-degree experience, a proven track record of providing leadership in an industrial setting, and experience with automating high throughput cellular-based drug screens. Experience with engineering robotic systems, VisualBasic and Linux-based programming, and mammalian signal transduction pathways is highly desirable. **Code: ND391**

Senior Scientist/Assistant Director - Database Management

Ph.D. or equivalent with expertise in biomedical research, data analysis and curation. Experience with entry and retrieval of information from relational databases and sequence analysis and alignment required. The candidate will work closely with a multi-disciplinary team responsible for generating complex biological data sets, and will be the interface between bench-scientist and bioinformatics group. Candidates should also have an interest in eukaryote signal transduction and the application of contemporary molecular techniques software tools for the analysis of complex biological systems. **Code: ND392**

Senior Scientist/Bio-Statistician - DNA arrays

Ph.D./equivalent with expertise in analysis and interpretation of DNA array data. The candidate will work closely with a multi-disciplinary team responsible for using both high and low-density DNA arrays in combination with antisense technology for the analysis of gene function. Qualified candidates will have experience in all aspects of array implementation and analysis, including experimental design, image analysis, gene clustering and "noise and variability". Candidates should also have an interest in signal transduction and the application of contemporary molecular techniques to the analysis of complex biological systems. **Code: ND393**

Scientist/ Senior Scientist - Cell Biology

Scientists (BS/MS) and Senior Scientists (Ph.D./equivalent) with expertise in molecular and cellular biology techniques to join a group developing the use of antisense technology for functional genomics and therapeutic applications. Qualified applicants will have experience with contemporary methods of both mRNA and protein expression analysis, as well as the development of in vitro bioassays. Candidates should also have experience and an interest in signal transduction. **Code: ND394**

Scientist - Gene Expression Profiling (DNA arrays)

Responsible for supporting ongoing analysis of gene expression in cells and tissue using both high and low-density DNA array technologies. Requires BS/MS with expertise in molecular cell biology (or equivalent), and 2+ yrs post-Bachelor experience using current molecular and cellular biology techniques. Must have experience with RNA isolation and analysis. DNA array experience and computer skills related to genomics would be an advantage. **Code: ND395**

Scientist - Animal Pharmacology

Responsible for working in a group using antisense technology for in vivo functional genomics. Requires BS/MS, with expertise in small animal pharmacology and some experience in molecular cell biology. Qualified candidates will be comfortable with all aspects of animal handling, injections, etc., as well as a working knowledge of current molecular techniques (PCR, RPA, Western blotting). **Code: ND396**

Antisense Research

Ph.D. Senior Scientist

The Department of Antisense Drug Discovery seeks to fill a Ph.D.-level Senior Scientist position studying animal models of inflammatory skin disease and skin cancer. The ongoing program focuses on development of novel topically delivered antisense oligonucleotide therapeutics. Requires significant expertise in experimental rodent models and molecular biology/molecular pharmacology. Extensive knowledge of skin physiology/pathophysiology, experience in dermatology research setting and expertise in immunohistochemical techniques are desired. **Code: JK387**

Post Doctoral Fellows (2 positions)

Study the biological and pharmacological roles and enzymatic properties of Human RNase H enzymes. **Code: SC388**

Investigate mechanisms of oligonucleotide-induced immune stimulation and species differences in response. The candidate should be a recent Ph.D. or D.V.M. with experience in models of immune cell activation including in vivo studies. **Code: AL389**

BS/MS Scientist

Molecular Biologist to work in our Exploratory Research Group. Minimum of 3 yrs experience in basic molecular biology techniques, including RT-PCR, Northern and Western blotting, ribonuclease protection assays, cloning and tissue culture. Ability to troubleshoot assays and work in a challenging, fast-paced research environment highly desirable. Experience with bone marrow biology and flow cytometry a plus. Some animal handling required. **Code: KM390**

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For scientists interested in careers beyond the bench, Isis also offers opportunities in its patent department for patent agents/attorneys and for technical writers. Scientists should have MS or Ph.D. in Molecular Biology, Biochemistry, Organic Chemistry or related field, or BS and equivalent research experience. Excellent written and verbal communication skills are essential. Familiarity with nucleic acid chemistry, molecular biology and related research methods an advantage. Technical writers need not have prior patent experience. **Code: LB397**

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ISIS PHARMACEUTICALS



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The selected candidate will design/conduct studies aimed at the elucidation of the mechanism of action of novel anti-cancer agents *in vitro* and *in vivo*; define the pharmacological activity of novel agents in relation to compound pharmacokinetic and pharmacodynamic properties; and perform studies that may involve elucidation of the alteration of target transcription, translation and cellular activities by drug candidates. In addition, this individual will be given the opportunity to capitalize on their experimental creativity and strong desire to develop a state-of-the-art understanding of the molecular pharmacology of drug candidates. Requires a Ph.D. in Biology, Biochemistry or Pharmacology along with postdoctoral experience and a solid background in biochemistry, cell biology, enzymology and *in vivo* pharmacology. The ability to effectively work with other scientists in a fast-paced, interactive and multidisciplinary team environment is essential. Experience in the Pharmaceutical industry a plus. Exceptionally qualified individuals with BS/BA/MS degrees and equivalent experience are encouraged to apply. **Respond to:** <http://respond.webhire.com/job/id?479-r1365-J1>

SENIOR BIOLOGIST, MAMMALIAN CELL CULTURE

Ad Code #00-1372

The selected candidate will be an integral member of a multidisciplinary team focused on developing technology to produce therapeutic proteins in mammalian cells. Responsibilities include developing serum and/or protein-free culture media, understanding how different media components affect the performance of cell lines, adapting cells to growth in such media, and evaluating the performance of cell lines in small scale bioreactors. To qualify, you must have a strong background in mammalian cell biology and biochemistry combined with a Ph.D. or equivalent, a minimum of 3-5 years experience in culture media development and cell line evaluation, and a solid understanding of the design of quantitative assays as well as basic statistical analysis. Familiarity with GMP compliance and molecular biology preferred; background in the pharmaceutical industry and experience with cell culture process development highly desirable. The self-motivated team player we select will have good communication skills demonstrating a clear, succinct writing style, a strong people focus, and prior supervisory experience. Preference will be given to candidates who have held leadership roles on project teams. **Respond to:** <http://respond.webhire.com/job/id?479-r1372-J2>

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**Vice President of
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AviGenics, inc., the leader in avian transgenesis and applications of modern biotechnology to poultry for biopharmaceutical production and agromomic trait improvements, has created the new position of Vice President of Research. The successful candidate will be the senior executive in charge of all research activities and will be responsible for the development of internal and external strategic research initiatives. You will have a proven record of accomplishments in biotechnology, transgenesis, animal science research or related fields and will lead a growing research staff currently approaching 20 scientists and technicians. You will develop, along with senior management and the Scientific Advisory Board, a robust execution process for ongoing research at AviGenics and will help craft a bold vision for the future.

The Vice President for Research will be a valued member of AviGenics' management team as the Company progresses through its early development and an IPO within two years. You will connect with thought leaders in the pharmaceutical and biotechnology industries and external academic centers. Working with Business Development, you will help close key strategic alliances and serve as a senior spokesman for AviGenics' scientific initiatives and strategies to the pharmaceutical, agricultural and business communities. An MS or PhD is required, with a minimum of ten years experience in related fields of research. You should be a capable manager with proven leadership skills.

AviGenics is located in Athens, GA, Georgia's "Classic City" and home to the University of Georgia. Athens anchors the eastern end of the emerging "Highway 316 Technology Corridor." About 70 miles apart, Athens and Atlanta offer the work ethic and cost of living advantages of the Southeastern U.S. Recognized as a major success in the state's growing biotechnology industry, AviGenics benefits greatly from its close association with the University of Georgia and from the Georgia Research Alliance's support for biotechnology innovation in the state.

AviGenics offers competitive compensation, including an attractive benefits package and stock options, and an intense, team-oriented work environment with opportunities for personal advancement and professional growth. For immediate consideration, qualified applicants should mail resumes to: **Human Resources, AviGenics, inc., 425 River Road, Athens, GA 30602-1506** or email to garland@avigenics.com or fax to (706) 227-2180. Visit our website at www.avigenics.com.

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It's a vision of hope and of bettering the world. At each of our facilities, we're working to make this vision a reality. And, as part of Wyeth, one of the world's leading research-based pharmaceutical companies, we deliver. If you're interested in a career using your pharmaceutical and scientific knowledge to help us help the world, join us in our **Cambridge** and **Andover, MA** facilities.

Staff Scientist I/II - Genomics

The Genomic Technology Core group is seeking a highly motivated individual to fill its Staff Scientist I/II position. This is a newly formed group, which will be responsible for collecting, duplicating, and distributing partial and full length clones to the researchers throughout Wyeth. Additional responsibilities will include designing a relational database and barcode system and helping to design and implement a LIMS system that will track and automate many of these tasks. This position will be responsible for the supervision and management of the existing DNA synthesis group, which is responsible for supplying standard and modified oligonucleotides to all sites within Wyeth. Qualified candidates must have a Ph.D. degree with at least two years of postdoctoral work in the area of Molecular Biology, Biochemistry or Chemistry. Knowledge of gene manipulations, expression, and protein isolation is required. The ability to use and administer a relational database and working knowledge of HTML are preferred. Preference will also be given to candidates with experience in robotics, LIMS, Life Technologies' Gateway platform or Invitrogen's Echo system, and automated synthesizers. **Job Code 00879996, Cambridge, MA**

Staff Scientist I - Molecular Medicine

Working within our Molecular Medicine pharmacogenomics group, you will identify predictive and diagnostic markers of drug efficacy for our oncology clinical programs. To qualify, you need a Ph.D. with up to 3 years' postdoctoral experience; a background in Oncology is preferred. We expect a full molecular biology lab skills set, to include experience in DNA/RNA preparation and genomics discovery technologies (microarray profiling and/or quantitative RT-PCR). A strong analytical/statistical background and a high level of computer literacy is highly desirable. **Job Code 00880291, Andover, MA**

Senior Software Engineer - System Development (2 openings)

A refreshing opportunity is now available for a proven software developer to design and code object-oriented bioinformatics systems. A BS in Computer Science, Molecular Biology, or a related discipline is required; the ideal candidate will also be familiar with biological sequences and analysis, object/relational mapping, distributed transaction processing technologies, web development, Java and XML. You must be well-versed in the application development lifecycle, including requirements gathering, system design documentation, system testing, and implementation. Publication opportunities exist. **Job Code 00880943, Cambridge, MA**

Research Analysts - Bioinformatics Client Services (2 openings)

You will act as liaison with other staff scientists to support the following applications and/or desktop tools: Incyte, Celera, GCG/Seqweb, BLAST, Sequencher, and DNA*. Your support will heavily impact DNA, RNA, protein sequence analysis, and gene expression research. We are looking for a Ph.D. in the biological sciences with 2 years' industrial experience; an MS/BS and equivalent preparation is also acceptable. A mastery of bioinformatics tools is essential to the position, as are excellent UNIX and PC skills. **Job Code 00880136, Andover, MA**

Senior Computational Biologist - Bioinformatics Core Sciences

This hands-on role will allow you to determine which genes to mine for and challenge you to establish productive collaborations between sequence, structural, and transcriptional profiling analyses. Your scientific background must include a Ph.D. with 2 years' experience, UNIX and Perl proficiency, and 4 years' relevant Bioinformatics exposure. A BS/MS in Computer Science is a plus, and the most attractive candidates will possess user interface implementation, relational database design, or multiple platform Object Oriented Programming expertise. **Job Code 00879572, Cambridge, MA**

Genetics Institute, a unit of Wyeth, the Pharmaceutical Division of American Home Products, offers competitive salaries and benefits, including comprehensive health care, dental and life insurance, three weeks paid vacation, matching 401(k), pension plan, relocation assistance, tuition assistance, dependent care subsidy, and an on-site exercise facility. Genetics Institute is proud to be an equal opportunity employer, dedicated to building strength through diversity. Please forward your resume with salary requirements to: **Genetics Institute, Reference OPSCI, P.O. Box 7886, Philadelphia, PA 19101-7886. Fax to: (610) 989-4854. Email: jobs@RAMAIL1.wyeth.com**

For more information, please visit our website at: <http://www.genetics.com>

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**Cedar Crest College
Department of Biological Sciences
Faculty Positions**

The Department of Biological Sciences, a growing department with strong programs in Genetic Engineering, Neuroscience, and Biodiversity and Conservation Biology, seeks to fill four tenure-track faculty positions beginning fall semester 2001. Cedar Crest College is a four-year, independent liberal arts college for women. The beautiful 80-acre campus, a registered national arboretum, is located in the Lehigh Valley, southeastern Pennsylvania. Cedar Crest College emphasizes cross-disciplinary cooperation and excellence in undergraduate teaching.

Departmental facilities include confocal and fluorescent microscopes, DNA sequence analyzer, thermocyclers, ultracentrifuges, and a new bioinformatics and computational biology computer laboratory. All applicants must hold the Ph.D. degree and demonstrate commitment to excellence in teaching and to maintaining a vigorous undergraduate research program.

Assistant Professor, molecular biology - The successful candidate will participate in a dynamic and growing Genetic Engineering Program. Teaching responsibilities include advanced lecture and laboratory courses in molecular biology as well as contributions to other courses within the curriculum. In addition, maintaining an active undergraduate research program is expected. Research projects are confined to eukaryotic non-mammalian systems, and preferably with a focus on gene expression. We are seeking a molecular biologist committed to teaching and research in an undergraduate environment. Search committee chair: **Dr. Alan Hale**.

Assistant Professor, molecular neuroscience - The successful candidate will participate in a growing interdisciplinary neuroscience program that emphasizes student research and extramural collaborative ties. Teaching responsibilities will include contributions to Neuroscience, Genetic Engineering, and Biology courses, including introductory and upper-level lectures and labs. The specific area of research is open, but is confined to non-mammalian systems. Search committee chair: **Dr. Kent Fitzgerald**.

Assistant Professor, bioinformatics/computational biology - Primary teaching responsibilities will include bioinformatics, molecular biology, and advanced courses in the area of the professor's expertise (e.g., proteomics, gene expression analysis, modeling complex systems). In addition, maintaining an active undergraduate research program is expected. Administrative experience or a desire to become involved with administration of existing and future grants is desirable. The successful candidate will participate in community outreach programs and foster interdisciplinary connections within and beyond the department. The candidate should include a statement of interest in developing outreach programs in the materials submitted. Search committee chair: **Dr. Barbara Benson**.

Assistant Professor, conservation biology - The successful candidate will participate in a developing biodiversity and conservation biology program. We are seeking a broadly trained, field-oriented conservation ecologist with expertise in GIS and computer modeling. Area of specialization is open but preference will be given to candidates that specialize in plant ecology. Teaching responsibilities include participation in a non-major's environmental biology course, contributions to the major's introductory biology experience, and introductory and advanced undergraduate courses in area of specialization. Search committee chair: **Dr. John Cigliano**.

Review of applications will begin immediately. Please submit curriculum vitae, a detailed statement of teaching philosophy and research goals, including how the candidate's research would involve undergraduates, publications, and three letters of reference to appropriate search committee chair, **Department of Biological Sciences, Cedar Crest College, 100 College Drive, Allentown, PA 18104-6196. Cedar Crest College is an Equal Opportunity Employer.**

Van Andel Research Institute

Postdoctoral Fellowships

Van Andel Research Institute, an independent organization dedicated to becoming one of the world's pre-eminent private medical research institutes by building on the extraordinary discoveries in molecular biology and genetics, is inviting qualified candidates to apply for postdoctoral fellowships within the laboratory of Dr. Sara Courtneidge.

Dr. Courtneidge will be joining the Institute in February 2001. Research undertaken within her laboratory will focus on understanding the role of tyrosine kinases in signal transduction pathways controlling processes such as growth and motility. Projects include:

- Using a new Src-selective inhibitor to study the role of Src family kinases in the response to growth factors
- The characterization of several recently identified, novel, Src substrates
- The function of a novel cytoplasmic tyrosine kinase
- Elucidation of how Src impacts the p53 pathway
- Evaluation of the functions of Src family kinases in signal transduction pathways in both normal and tumorigenic epithelial cells

To learn more about the Institute, visit www.vai.org

Applications are invited from highly motivated individuals with a strong commitment to a career in research. Fellowships are awarded on an equal opportunity basis to recent recipients of a Ph.D., M.D., or an equivalent degree/expertise in cell biology, biochemistry and/or molecular biology. Appointments are made for one year, renewable annually with supervisor's approval, for a total of three years.

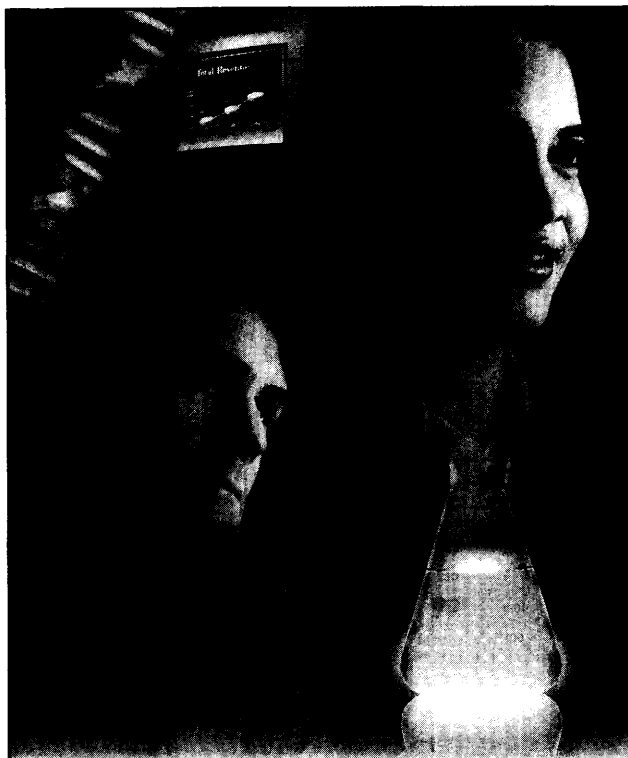
Annual stipends generally start at \$32,000 depending upon experience. To apply, send a letter describing your research interest, curriculum vitae, together with the names and addresses of three references to:

**Human Resources Department
ATTENTION: Pam Murray
Van Andel Research Institute
333 Bostwick N.E.
Grand Rapids, MI 49503
Or
VARI-Employment@vai.org**

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The Van Andel Research Institute



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Postdoctoral Fellow, Computational Biology (Cambridge)

In this position you will engage in motif discovery and analysis for families and sub-families of therapeutic targets. You must have 1 year of experience with Perl in a Unix environment and an in-depth understanding of G protein-coupled receptors, protein structure modeling and/or Bayesian statistics.

For the position listed above, please apply online at www.pfizer-dtc.com; email your resume, indicating Ad Code postdocSCI in the subject line, to openings@cambridge.pfizer.com; fax to (617) 551-3111; or mail to Pfizer Discovery Technology Center, 620 Memorial Drive, Cambridge, MA 02139.

Laboratory Scientist, Obesity (Groton)

You will be responsible for investigating the metabolic effects of hormones or test compounds on cells in cultures and in rodent models of obesity. Duties include hormone-receptor binding analyses, preparation of extracts from cells, biochemical analyses of plasma and enzyme or specific protein expression. This position requires a BS/BA and a minimum of 3 years lab experience, the ability to create stable cell lines using standard tissue culture techniques and familiarity with molecular biology techniques (including isolation of RNA and analysis of gene expression). Experience manipulating plasmids, sub-cloning cDNAs and with expression of recombinant proteins is desired. Requisition Number 00-0011029

Laboratory Scientist, Biology (Groton)

You will perform *in vivo* and *in vitro* experiments in order to discover novel anti-obesity drugs. Responsibilities include developing, implementing, interpreting and reporting assays using research techniques involved with studying ingestive behaviors and metabolism. Additionally, you will be relied upon to perform *in vitro* biochemical assays to determine compound effects and to assist in target validation. You must have a BS in a biological science and 1-2 years lab experience; MS and industry experience are desired. Experience working *in vivo*, with running behavioral models and with biochemical assays is essential. Familiarity with Neuroscience is considered a plus. Requisition Number 00-0010468

DRUG METABOLISM OPPORTUNITIES

BS/MS Laboratory Scientists

Working in both the preclinical and development phases of novel drug discovery, you will conduct *in vivo* and *in vitro* metabolism and pharmacokinetic studies, including absorption studies, and develop/utilize bioanalytical methods for monitoring drugs and metabolites. BS/MS Scientist positions are available in the following areas:

Disposition: Requires a BS/MS in Biochemistry, Chemistry, or Pharmaceutical Science. Experience with HPLC, LC/MS and/or *in vitro* metabolism techniques (microsomes, slices, and recombinant enzymes) preferred. Requisition Number: 30NOV0001020

Technology: Requires a BS/MS in Biochemistry, Molecular Biology, or Pharmaceutical Science. Experience in *in vitro* metabolism/induction assays, *in vitro* permeation assays, cloning, expression of novel transporter and metabolic enzymes or drug-drug interaction assays preferred. Requisition Number: 30NOV0001020

Recently ranked among *Fortune's* 100 Best Companies to Work For, Pfizer offers an exceptional work environment complete with training opportunities designed to develop your professional talents. We encourage all applicants to apply by emailing your resume, indicating appropriate Req. Number in the subject field, to SCIENCE@pfizerresumes.com. If necessary, you may also mail your resume, indicating Req. Number, 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.

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Merck Research Laboratories is a leading research-driven pharmaceutical products and services company. Recently ranked by *Fortune* among "America's Most Admired Companies," we continually live up to our reputation with a truly unique work environment that fosters diversity and growth. We currently have career opportunities located in Rahway, NJ.

SENIOR RESEARCH BIOLOGIST

Support our anti-infective drug discovery efforts by planning and conducting novel research within existing Merck programs. You may also be called upon to provide project guidance to fellow colleagues. A Ph.D. and relevant professional experience are necessary, along with a demonstrated record of original scientific achievement. Strong consideration will be given to researchers with biochemistry and cell biology experience and a working knowledge of classical fungal and molecular genetics. We require an astute communicator who can promote team goals in an interdisciplinary research environment. PAF Code: XHXMRSMLL12015

BIOLOGIST/STAFF BIOLOGIST/RESEARCH BIOLOGIST

Pivotal challenges in this position include assisting in the development of new assays to discover anti-infective compounds. Under the guidance of a senior researcher, you will utilize a combined approach of yeast genetics, molecular biology, and biochemistry techniques to establish screens and evaluate potential targets in a yeast *Saccharomyces cerevisiae* model system. Your success will also depend on the use of classical and molecular genetic methods to construct and assay yeast strains expressing genes of interest. We seek a BS/MS in Genetics or Microbiology, 2+ years' classical and molecular genetics expertise, and a highly engaging sense of teamwork. PAF Code: XHXMRSMLL12150

We offer an excellent salary and comprehensive benefits program, including tuition reimbursement and one of the best 401(k) plans in the nation, as well as opportunities for personal growth. Please submit your resume and a cover letter indicating salary requirements to: Merck Positions, P.O. Box 92164, Los Angeles, CA 90009-2164. E-mail: merck@resume.isearch.com Fax: (310) 337-3393. Please include PAF Code in your correspondence. Only candidates considered for interviews will receive responses. No phone or agency calls please. EOE, m/f/d/v.



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www.gene.com

Scientist—Molecular Biology

Working in our Department of Molecular Biology, you will lead a group developing and applying cutting-edge gene expression technology to the study of human disease and elucidation of function of novel genes. The ideal candidate will have a PhD, at least 3 years post-doctoral experience, and a track record of training and peer-reviewed published work. A strong background in molecular biology or genomics with proficiency in computational analysis is needed. Project management or group leadership experience is an advantage. Excellent communication skills and willingness to work in a team setting are essential.

Send your resume, indicating Job Code SCI2812, to: Genentech, Inc., HR, PO Box 1950, South San Francisco, CA 94083-1950. Please use plain typefaces. You may email your resume, again indicating Job Code SCI2812, to genentechjobpost@webhrrpc.com (ASCII files only with a maximum line width of 76 characters). EOE.

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Berlex. It's always been a place for breakthrough thinkers—dedicated individuals whose commitment is as passionate as it is unwavering. We are dedicated to redefining life through science for millions of patients around the world.

POSTDOCTORAL RESEARCHER

As a key member of the Gene Therapy and Genomics department, you will study a signaling pathway which has been implicated to have a novel role in atherosclerosis. You'll define the expression profile of multiple genes from this pathway using *in vitro* models and in vascular tissues using techniques such as TaqMan, quantitative RT-PCR, and immunohistochemistry. To study the function of this pathway, you will prepare expression and reporter constructs and use them to perform transfection experiments in vascular endothelial cells. This is a one-year appointment with potential renewal for a second year.

You must have a PhD in Biology, Molecular Biology or related field. A background in vascular biology, molecular biology or immunohistochemistry is desirable. Excellent interpersonal and problem solving skills are required. Ability to work in a team and independently is a must.

Enjoy a unique work environment while you apply science to redefine life. At Berlex, you'll also find competitive salaries and a generous benefits package. For immediate consideration, please visit our website at www.berlex.com and apply online. If you mail your CV/resume, you must include the Job Code XHXIPD-001 and mail to: Berlex, HR Employment, 15049 San Pablo Ave., Richmond, CA 94804-0099. EOE.

BERLEX

**ROBERT J. AND CLAIRE PASAROW FOUNDATION
2000 MEDICAL RESEARCH AWARDS
Cancer, Cardiovascular Disease, Neuropsychiatry**

The Foundation has established three yearly medical prizes for distinguished accomplishment in research in order to increase public awareness of vital areas of investigation. This is the fourteenth year of the awards program. Each award is for \$35,000, presented directly to the awardee.

The three prizes—one in each of the three fields—are given for basic and/or clinical research.

•**Cancer:** including basic cellular processes and the various forms of cancer. Past awardees:

Peter K. Vogt, Ph.D. - University of Southern California
Irving L. Weissman, M.D. - Stanford University
George F. Vande Woude, Ph.D. - National Cancer Institute
Erkki Ruoslahti, M.D. - La Jolla Cancer Research Foundation
Harold N. Weintraub, M.D., Ph.D. - Hughes Medical Institute, Hutchinson Res Center
Ronald M. Evans, Ph.D. - Hughes Medical Institute, Salk Institute
Stanley J. Korsmeyer, M.D. - Washington University
Carlo M. Croce, M.D. - Jefferson Cancer Center
Alfred G. Knudson, Jr., M.D., Ph.D. - University of Pennsylvania School of Medicine
Robert A. Weinberg, M.D. - MIT and the Whitehead Institute for Biomedical Research
Eric S. Lander, D.Phil. - MIT and the Whitehead Institute for Biomedical Research
Paul L. Modrich, Ph.D. - Howard Hughes Medical Institute and Duke University Medical Center
Anthony S. Fauci, M.D. - National Institute of Allergy and Infectious Diseases

•**Cardiovascular Disease:** including disorders of the heart and vascular system. Past awardees:

Buton E. Sobel, M.D. - Washington University
Harvey Feigenbaum, M.D. - Indiana University
Bernardo Nadal-Ginard, M.D., Ph.D. - Harvard University
Mordecai P. Blaustein, M.D. - University of Maryland
Jonathan Seidman, Ph.D. and Christine Seidman, M.D. - Harvard
Glenn A. Langer, M.D. - University of California, Los Angeles
Philip Majerus, M.D. - Washington University
Jan L. Breslow, M.D. - Rockefeller University
Kenneth R. Chien, M.D., Ph.D. - University of California, San Diego
Michael A. Gimbrone, Jr., M.D. - Harvard University
Masashi Yanagisawa, M.D., Ph.D. - Howard Hughes Medical Institute, University of Texas Southwestern
Mark T. Keating, M.D. - Howard Hughes Medical Institute and University of Utah Health Sciences Center
Eric N. Olson, Ph.D. - The University of Texas Southwestern Medical Center

•**Neuropsychiatry:** including neuroscience of neurologic and mental disorders. Past awardees:

Nancy Wexler, Ph.D. - Columbia University
Eric R. Kandel, M.D. - Columbia University
Floyd E. Bloom, M.D. - Scripps Research Foundation
Solomon H. Snyder, M.D. - Johns Hopkins University
Michael E. Phelps, Ph.D. - University of California, Los Angeles
Patricia S. Goldman-Rakic, Ph.D. - Yale University
Huda Akil, Ph.D. and Stanley Watson, M.D., Ph.D. - University of Michigan
Arvid Carlsson, M.D., Ph.D. - University of Goteborg and Philip Seeman, M.D., Ph.D. - University of Toronto
Stanley B. Prusiner, M.D. - University of California, School of Medicine, San Francisco
Joseph T. Coyle, M.D. - Harvard University
Eric J. Nestler, M.D., Ph.D. - University of Texas Southwestern
Fred H. Gage, Ph.D. - The Salk Institute
Michael I. Posner, Ph.D. - Weill Cornell Medical College and Marcus E. Raichle, M.D. - Washington University School of Medicine

The criterion for the Pasarow Medical Research Awards is evidence of substantive accomplishment and the likelihood of continuing outstanding achievement in biomedical science.

Nominators for the 2000 Award should provide three sets of materials each consisting only of a letter of no more than one page stating the rationale for the nomination and a copy of the nominee's curriculum vitae and bibliography. Applications will be reviewed by the Board of Directors in consultation with various medical scholars. Members of the Board of Directors are Jack D. Barchas, M.D., President and Chairman; Claire Pasarow, Chief Financial Officer; Kenneth R. Chien, M.D., Ph.D., University of California, San Diego; Brian E. Henderson, M.D., University of Southern California; Susan Pasarow, M.S.W., Lake Oswego; Judith L. Swain, M.D., Stanford University; and Joseph P. Van Der Meulen, M.D., University of Southern California. Inquiries can be addressed to Jack D. Barchas, M.D. at New York-Presbyterian Hospital-Weill Cornell Medical Center (212-746-3770). Nominations should be received by *January 12, 2001*:

**Robert J. and Claire Pasarow Foundation
c/o Annlouise Goodermuth**

Weill Medical College, Cornell University, 1300 York Avenue, Box 171, Room F-1231, New York, NY 10021

We would like to congratulate our past recipients on their accomplishment in receiving the Nobel Prize for Medicine:

Arvid Carlsson, M.D., Ph.D. - University of Goteborg

Eric R. Kandel, M.D. - Columbia University

Stanley B. Prusiner, M.D. - University of California, San Francisco

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



Postdoctoral Fellow

Position available for a recent Ph.D. to study aspects of cell wall assembly in yeast and filamentous fungi. Candidates should be energetic, self-motivated, and have a strong background in molecular biology and eukaryotic genetics. Experience with the genetic manipulation of fungi including the yeasts *Saccharomyces cerevisiae* and *Candida albicans* is highly desired.

**Send a resume and three references to:
Dr. Chris Taron.**

**New England Biolabs, Inc.
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University of Maryland CENTER FOR ENVIRONMENTAL SCIENCE Vice President for Science Applications

The University of Maryland Center for Environmental Sciences (UMCES) invites applications for Vice President for Science Applications. This new position offers a qualified individual an outstanding opportunity to work at the interface of science and management at a prominent environmental research center. UMCES is the lead institution in the University System of Maryland dedicated to environmental research, education, and service. Its three laboratories - Horn Point Laboratory on the Maryland Eastern Shore, Chesapeake Biological Laboratory in Southern Maryland, and Appalachian Laboratory in Western Maryland - are strategically located to fulfill its mission. Additionally UMCES administers the Maryland Sea Grant College Program.

Responsibilities: The Vice President for Science Applications will promote the integration and application of UMCES fundamental research to environmental protection, resource management and commercial development; represent UMCES to Federal and State environmental agencies; facilitate and coordinate the development of multidisciplinary research proposals and programs; and act as a liaison between UMCES and other multicampus environmental programs.

Qualifications: Candidates preferably will possess a Ph.D. in the environmental sciences. The successful candidate should have broad interests in environmental science with proven leadership experience in multidisciplinary research, synthesis, and application of results.

Application: Candidates should submit a letter of interest summarizing their qualifications for this position, curriculum vitae, names of four references and other information as may be appropriate to: **Vice President Search Committee, University of Maryland Center for Environmental Science, Center Administration, P.O. Box 775, Cambridge, MD 21613.** UMCES also seeks nominations of qualified individuals. Submit nominations to vpsearch@ca.umces.edu. The Search Committee will begin reviewing applications January 15, 2001. Additional information regarding UMCES can be found at www.umces.edu.

UMCES is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply.

Yale University Postdoctoral Position in Cellular and Molecular Immunobiology



A postdoctoral position is available to study the molecular and cellular mechanisms of T lymphocyte transmigration in autoimmune diseases, specifically, the roles of integrins (VLA4) and matrix metallo-proteinases (MT1-MMP and MMP-2) in this process (Lab. Invest., 76:11-23, 1997; J. Biol. Chem., 273: 3604-3610, 1998; Lab. Invest., 78:1445-1458, 1998; J. Biol. Chem., 274: 22679-22685, 1999; Amer. J. Pathol., 157: 75-81, 2000; J. Neuroimmunol., 109 (2):121-131, 2000).

Recent Ph.D. or M.D./Ph.D. graduates who have a strong cellular and molecular immunology background and/or protease biology training are encouraged to apply. Send CV and brief description of research interests, career goals and names of three references to:

**Joseph A. Madri, Ph.D., M.D.
Yale University School of Medicine
Department of Pathology
310 Cedar Street
PO Box 208023
New Haven, CT, 06520-8023, USA;
E-mail: joseph.madri@yale.edu
or Fax: 203-785-7303**

Deadline for applications: March 1, 2001

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Minority and women candidates are urged to apply.*

Faculty of Arts and Sciences

CHAIR - Department of Chemistry

The chair manages a department of ten faculty members. The department offers courses leading to the BS and MS in Chemistry. The chair should also qualify to an appointment as Associate Professor or above in the department.

Department of Chemistry

Applicants sought in the following field: Physical-organic Chemistry
Ph.D. degree, teaching and research experience required. Positions are at the assistant professor level but higher ranks may be considered depending on qualifications. Appointments are generally for an initial period of three years. Visiting positions at all levels may be considered for all vacancies. Sabbatical visitors are welcome in all fields.

Department of Biology

Applicants sought in the following fields:

- Bio-informatics
- Plant Taxonomy
- Marine Ecology
- Population Genetics

Ph.D. degree, teaching and research experience required. Applicants to the field of Plant Taxonomy should have a classical taxonomic training. Experience in running and managing a historic herbarium and developing one of regional and international importance is a plus. The applicant is expected to collaborate with a multidisciplinary research team. All applicants are expected to participate in directing graduate student research, teach or share-teach courses at both undergraduate and graduate levels.

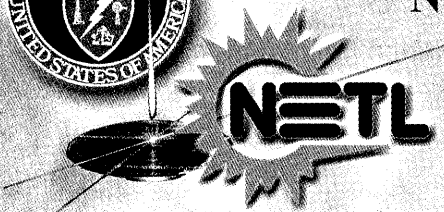
Positions are at the assistant professor level but higher ranks may be considered depending on qualifications. Appointments are generally for an initial period of three years. Visiting positions at all levels may be considered for all vacancies. Sabbatical visitors are welcome in all fields.

All interested applicants may send a letter of application and arrange for three letters of reference addressed to: **Dean, Faculty of Arts and Sciences, American University of Beirut, c/o New York Office, 850 Third Avenue, 18th floor, New York, NY 10022-6297 OR Dean, Faculty of Arts and Sciences, American University of Beirut, Beirut, Lebanon.** Electronic submission may be sent to: AS_Dean@aub.edu.lb. All applications and letters of reference should be received by January 15, 2001.

The American University of Beirut is an Equal Opportunity Employer.



Employment Opportunities at the National Energy Technology Laboratory



The Vision

***A robust economy...
high standards of living...
clean air, water, and soil...
security now and in the future.***

At the National Energy Technology Laboratory (NETL), we provide energy options to help achieve this vision. Our mission is to resolve the environmental, supply, and reliability constraints of producing and using fossil resources—providing Americans a stronger economy, healthier environment, and more secure future.

What We Are, What We Do

As one of the Department of Energy's 15 national labs, NETL is at the forefront of research and technology development. We conduct leading-edge research and development on-site. We shape, fund, and manage extramural research activities in all 50 states and in several foreign countries. We support national policy development to assure the safe, clean, and affordable use of fossil resources.

Who We Seek

NETL is recruiting four scientists or engineers with international reputations for scientific excellence and leadership. These senior-level positions will lead four focus areas in producing innovative ideas and new approaches to using fossil energy. Applicant must be a U.S. citizen to apply for Federal positions.

- **Gas Energy System Dynamics** will address scientific and engineering issues in gas combustion science, gas conversion, fuel cells, gas turbines, advanced energy conversion systems, the dynamics of complex coupled systems such as fuel cell/gas turbine hybrids, and issues affecting reliability of the natural gas delivery infrastructure.
- **Carbon Sequestration Science** will provide the scientific basis for capture and sequestration of carbon from energy plants using fossil fuels. Research will address capture from combustion or gasification sources, geological sequestration in reservoirs such as coal seams and oil and gas fields, ocean sequestration, and novel sequestration technologies.
- **Ultra Clean Fuels** will conduct research to reduce sulfur in transportation fuels while maintaining fuel quality; devise novel synthetic routes for diesel fuel, high-octane gasoline, and oxygenates; develop a better scientific understanding of natural gas hydrates; and develop new approaches to generation and storage of hydrogen.
- **Computational Energy Science** will develop science-based computational tools and apply them to develop a virtual demonstration capability that will predict dynamic responses of the clean, highly efficient energy systems of the future. Researchers will collaborate with experimentalists to develop and validate models of turbines, fuel cells, gasifiers, combustors, environmental control systems, natural gas recovery technology, gas hydrates, watersheds, and other energy or environmental systems.

What We Offer

At NETL, we strive for an environment that encourages creativity, values diversity, and brings out the best in people. We value teamwork while appreciating individuality. We offer the opportunity to apply new ideas and approaches to fossil resources and to establish new paradigms for their clean and efficient use.

The salary range for these Federal Civil Service positions is \$99,452 to \$130,200, with excellent benefits and flexible work schedules. The positions are located in either Morgantown, W.Va. or Pittsburgh, Pa. Both locations offer affordable living, excellent schools, cultural attractions, and the natural beauty and abundant outdoor activities of the Allegheny Mountains.

For Further Information

Additional information about qualification requirements and procedures for applying may be obtained from Donna Tamilia at (412) 386-6017, from the NETL website at www.netl.doe.gov, or from the Office of Personnel Management website at www.usajobs.opm.gov. Check these websites for other positions that NETL has available.

The Department of Energy is an equal employment opportunity employer.



**Mayo Clinic
Division of Experimental Pathology**

Postdoctoral positions are available for individuals who wish to join an active new lab and are interested in any of the following projects:

- 1) Characterization of a series of candidate oncogenes involved in progression of breast cancer (Couch et al., Cancer Res 59:1408-1411, 1999; Wu et al., Cancer Res 60:5371-5375, 2000). Applicants should have a Ph.D. with strong background in molecular biology, and have experience in cloning and tissue culture techniques.
- 2) Identification of the signaling pathways involved in BRCA1 and BRCA2 dependent apoptosis (Muthusamy et al., J Biol Chem 275:33487-33496, 2000). Applicants should have a Ph.D. with experience in molecular biology, tissue culture, and apoptosis detection techniques.
- 3) Identification of novel amplicons and oncogenes in ovarian cancer. Applicants should have a Ph.D. with a strong background in gene cloning and FISH analysis.

A highly competitive salary with full benefits is available to motivated candidates. Individuals interested in contributing to this research should send a curriculum vitae, a description of research experience, and three references to:

Fergus J. Couch, Ph.D.
Division of Experimental Pathology
Guggenheim 1001A
Mayo Clinic and Foundation
200 First Street SW
Rochester, MN 55905
Fax: 507-266-0824

E-mail: couch.fergus@mayo.edu

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

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

Yale University

Postdoctoral Position in Cellular and Molecular Vascular Biology



A postdoctoral position is available to study the molecular and cellular mechanisms of vascular development and responses to injury, specifically, the roles of PECAM-1 (CD31) in these processes (J. Cell Sci., 111:3621-3631, 1998; J. Cell Sci., 112 (18): 3005-3014, 1999; Curr. Opin. in Biotech., 10: 536-540, 1999; J. Biol. Chem., 275: 21435-21443, 2000; Amer. J. Physiol., 279: H1540-H1547, 2000).

Recent Ph.D. or M.D./Ph.D. graduates who have a strong cellular and molecular biology background and/or vascular biology training are encouraged to apply. Send CV and brief description of research interests, career goals and names of three references to:

Joseph A. Madri, Ph.D., M.D.
Yale University School of Medicine
Department of Pathology
310 Cedar Street
PO Box 208023
New Haven, CT, 06520-8023, USA;
E-mail: joseph.madri@yale.edu
or Fax: 203-785-7303

Deadline for applications: March 1, 2001

Yale University is an equal opportunity, affirmative action employer. Minority and women candidates are urged to apply.



HARVARD UNIVERSITY

DEPARTMENT OF EARTH & PLANETARY SCIENCES

The Department of Earth & Planetary Sciences at Harvard University seeks to fill two or more faculty positions at the Assistant or Associate Professor level (untenured). Candidates from all fields of earth sciences including atmospheric sciences, oceanography, geobiology, geochemistry, geophysics, geology, and planetary sciences are encouraged to apply.

Applicants should send a statement of research interests, curriculum vitae, and the names of three references to:

Professor Jeremy Bloxham, Chair
Department of Earth & Planetary Sciences
Harvard University
20 Oxford Street
Cambridge, MA 02138 USA

We will begin reviewing applications on December 1st. We particularly encourage applications from women and minorities. Harvard University is an Affirmative Action/Equal Opportunity Employer. For more information about the department, you may visit our web site at www.eps.harvard.edu.



TENURE TRACK ASSISTANT PROFESSOR

Molecular regulation of aging

The Department of Molecular Biology and Pharmacology at Washington University School of Medicine is recruiting individuals at the level of Assistant Professor on the tenure track. We are seeking an outstanding scientist working in the area of aging. Special consideration will be given to research involving systems where genetic tools can be used to address fundamental questions dealing with the aging process. Faculty in the Department utilize a broad range of organisms including yeast, *C. elegans*, *Drosophila*, *Xenopus*, and mice to investigate developmental processes, including cell fate specification, pattern formation, and the regulation of cell proliferation, differentiation, migration, and death. (Visit our web site at <http://molecool.wustl.edu>)

Interested applicants should forward a curriculum vitae and a short summary of research plans to:

Search Committee (c/o Jeffrey I. Gordon, Head)
Department of Molecular Biology and Pharmacology
Washington University School of Medicine
660 South Euclid Avenue, Box 8103
St. Louis, Missouri 63110

Applicants should also arrange to have three letters of recommendation sent to the same address.

Washington University is an Affirmative Action/Equal Opportunity Employer committed to increasing the representation of women and minority groups on its faculty.



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3-Dimensional Pharmaceuticals, Inc. is a post-genomics drug discovery company which has developed DiscoverWorks™, a proprietary technology platform uniquely integrating structure-based drug design, combinatorial chemistry, and high-throughput screening for the cost-effective discovery of novel pharmaceuticals. Our growth and success depends on each member of our dynamic team working together to advance medical science through the discovery of novel drug therapies. The following positions are available:

Molecular and Cellular Biology/ Pharmacology (PhD)

Postdoctoral research in molecular disease mechanisms (e.g., oncology, metabolic diseases/endocrinology, CNS, vascular biology, inflammation) is required. Experience in molecular biology, receptor pharmacology, cell physiology, and/or signal transduction is desired, along with relevant publications. Job Code: MCB/Ph

Molecular and Cellular Biology (BS/MS)

At least two years research experience in cDNA cloning, RNA isolation, RT-PCR, mutagenesis and protein expression including: E. coli, baculovirus and mammalian cells and a demonstrated ability to perform cellular/biochemical screening assays is desired. Additional research experience in HTS development/execution, protein biochemistry, receptor binding assays, signal transduction, enzymology, and gene transfection preferred. Job Code: MCB/MB

Crystallography (PhD)

Expertise in the area of protein x-ray crystallography to drive a structure-based drug design program. Experience with crystallographic structure determination and in MAD-phasing, MIR-phasing, protein purification, and molecular modeling desired. Job Code: Cr/Ph

Protein Biochemistry (BS/MS/PhD)

Entry-level and experienced biochemists with an ability to express, purify and characterize novel protein targets for drug discovery and structural biology. Familiarity with ligand-receptor binding interactions, spectroscopic characterization of proteins, GPCR function, receptor pharmacology and enzymology is desired. Competence in recombinant DNA methodologies, overexpression of proteins, or protein crystallization is a plus. Job Code: PB/PhMB

Biophysical Chemistry/Protein Biochemistry (PhD)

Candidates will have demonstrated experimental expertise examining protein folding, protein structure, or structural biology using biophysical analyses. Expertise in one or more of the following areas is preferred: fluorescence or CD spectroscopy, calorimetry, or surface plasmon resonance, as applied to the analysis of protein stability and/or binding. Ability to creatively exploit both equilibrium and kinetic approaches to characterize protein stability/protein folding is desired. Job Code: PC/Ph

Protein Expression/Protein Purification (BS/MS)

Minimum of 2 years demonstrated experience in an industrial or academic setting with molecular biology and protein purification techniques; familiarity with membrane proteins desired. Job Code: PE/MB

Enzymology (BS/MS/PhD)

These positions will involve mechanistic characterization of new therapeutic protein targets and novel small molecule agonists/antagonists

For PhD candidates, postdoctoral experience in the physical biochemistry of enzyme and/or receptor systems is necessary. Experience in one or more of the following is also desired: analytical biochemistry, protein purification, or laboratory automation. Job Code: EnzPh MS and BS-level candidates should have at least one year industry experience in assay development for medium to high throughput screening. Proficiency in verbal/written communication and participation in interdisciplinary teams is expected. Job Code: EnzMB

Located in Exton, PA, a suburb of Philadelphia, 3DP offers a comprehensive compensation and benefits package. Qualified individuals are invited to send their cover letter and resume with contact data for three references to:

E-Mail: employment@3dp.com

3-Dimensional Pharmaceuticals, Inc.

Attn: Job Code: _____, 665 Stockton Drive, Suite 104, Exton, PA 19341

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www.3dp.com

Senior Researcher - Protein Biochemist



Procter & Gamble Pharmaceuticals has an immediate opening for a Senior Researcher in the Health Care & New Ventures organization. This position is located at P&G's state-of-the-art Health Care Research Center in Cincinnati, OH.

For confidential consideration, apply on-line:

<http://www.pg.com>.

Your Resume will be requested as part of the application process. If interested in applying for this specific position, please select Research & Development as the Area of Interest and indicate the job code:

NAUSR000954.

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Your Qualifications

The section of Cell & Molecular Biology is seeking a highly motivated individual possessing expertise in the isolation, purification and manipulation of proteins derived from recombinant DNA expression systems, native tissue and culture sources. A strong problem-solving aptitude, excellent interpersonal and communication skills and a demonstrated ability to work constructively as a member of an interdisciplinary team is essential. The position requires extensive experience with state-of-the-art analytical and preparative scale chromatography, purification process and analytical methods development as well as a thorough knowledge of HPLC, FPLC, automated methods development, recombinant protein expression and protein characterization. Experience with recombinant protein purification using multiple expression systems such as bacterial, yeast, filamentous fungi, insect and mammalian systems is highly desirable.

Your Challenges

The experienced master's degree individual will work within a multi-disciplinary Biotechnology Core group to express and purify proteins and other biomolecules used in drug discovery research, high-throughput screening and 3D structural studies.

Procter & Gamble PHARMACEUTICALS

Candidates must be a U.S. Citizen or national, permanent resident, refugee or asylee, or temporary resident under the legalization program of the 1986 Immigration Act. P&G does not offer practical training positions nor sponsor foreign citizens to obtain work visa or permanent residency (except for certain highly specialized roles such as some R&D positions requiring Doctorate degrees).

No phone calls or agency referrals, please. After reviewing your resume, we will contact you only if we find a sufficient match to justify further steps in the process.

The Juvenile Diabetes Research Foundation International (JDRF), the world's leading non-profit, non-governmental funder of diabetes research (up to \$120 million in current fiscal year), is seeking to fill the following position.

Scientific Program Manager

will play an essential role in carrying out JDRF's research grant program, training grant program, and implementing partnerships with governments and industry. Additional responsibilities include helping to determine program priorities and tracking/ analyzing/ evaluating the Foundation's research activities. Will coordinate committees and research collaborations among institutions. Will help supervise the grand administration process. Ph.D., M.D. or equivalent degree in biological/biomedical sciences, such as molecular biology, genetics, immunology, biochemistry, or related areas. Postdoctoral experience or equivalent preferred. Excellent writing, verbal, and interpersonal skills are essential. Some travel required.

Please submit resume to:

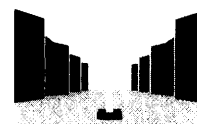
Juvenile Diabetes Research Foundation International

Attn: Human Resources-SM

120 Wall Street, New York, NY 10005-4001

Fax: 212-785-9595

EOE M/F/D/V



THE SALK INSTITUTE POSTDOCTORAL POSITION VIROLOGY AND GENE THERAPY VECTORS

A postdoctoral position is available immediately to study virus replication and the use of viruses for gene delivery. Using adeno-associated virus (AAV) as a model system, together with its helper viruses adenovirus (Ad) and herpes simplex virus (HSV), we are investigating interactions between viruses and their host cells and mechanisms of viral integration. We are also studying the biology of recombinant viral vectors and are exploring combinations of viral elements in novel vectors for gene therapy applications. The successful applicant will join a highly interactive team that uses molecular biology, biochemistry and cell biology to study virus infections. A background in virology or viral vector systems would be advantageous.

Send Curriculum Vitae, a statement of research interests, and the names and addresses of three references to:

Matthew D. Weitzman, Ph.D.
Assistant Professor, Lab of Genetics
The Salk Institute
10010 N. Torrey Pines Road
La Jolla, CA 92037, USA
FAX: (858) 558-7454
Email: weitzman@salk.edu

The Salk Institute is an Equal Opportunity Employer

Purdue Pharma L.P.

We've made a science out of developing careers.



Purdue Pharma L.P. is a rapidly growing, privately held pharmaceutical company. Currently, we're looking for key professionals to make an immediate impact in our cutting-edge **R&D facility located in Southern Westchester county.**

ASSISTANT DIRECTOR, Pre-Clinical PK

Supervising the Toxicokinetics(TK) and ADME section of our pre-clinical PK group, you will be responsible for the authenticity, interpretation and documentation of data generated from group experiments and research activities. Additionally, you support and organize assigned projects, maintain and review all section reports, hire well-qualified personnel and lead the department staff towards results-oriented teamwork. This highly detailed and responsible position requires a Ph.D. with at least 5 years experience, including work in animal studies; human pharmacokinetic assessments and project planning. Strong supervisory skills as well as thorough understanding of pharmacokinetics and computers, the drug development process and applicable regulatory guidelines essential.

ASSOCIATE DIRECTOR, NDSE

We are seeking an individual to oversee a group involved with non-clinical drug safety evaluation studies. This includes selecting contract labs; performing on-site monitoring; initiating, devising, reviewing, and interpreting studies as well as writing non-clinical portions of regulatory submissions, both domestic and international. Approximately 30% travel will be required. A Ph.D. in Toxicology is preferred with at least 5 years experience performing non-clinical toxicology/drug evaluation studies at a pharmaceutical company or contract lab. Must have proven leadership capabilities. Solid knowledge of pharmaceutical regulatory toxicology and GLPs is a must. Knowledge of opioid pharmacology/toxicology and non-clinical development of biologics is desirable.

We offer a competitive salary, an extensive benefits package and excellent opportunities for personal and professional growth. Please mail or fax resume to: **Purdue, Human Resources Dept-MK/SM, 444 Saw Mill River Road, Ardsley, NY 10502; FAX: (914) 709-2590.** Corporate standards require drug testing and background investigation. We are an equal opportunity employer committed to a diverse workforce. **Visit us at: www.pharma.com**

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Distinguished Fellowships in Neurobiology

The Neurosciences Research Foundation announces a program of Distinguished Fellowships supporting fundamental research in neurobiology. The Fellowships will provide up to \$150,000 per year for a term of three years to cover full salary, benefits and research support at the level of Associate Fellow, equivalent to the academic ranks of Assistant or Associate Professor. Applications will be considered of candidates working in any of a number of fields, including molecular and developmental neurobiology, systems neuroscience, and theoretical and computational neuroscience. Fellows receiving awards will be strongly encouraged to collaborate and span multiple fields. At the completion of the term, Fellowships will be eligible for renewal.

Chosen Fellows will be accorded laboratory space and facilities at no further cost in The Neurosciences Institute (NSI), an independent, non-profit research organization in La Jolla, California. The NSI is dedicated to theoretical and experimental research on the biological bases of brain function. Its prize-winning architectural complex serves as the home of the Neurosciences Research Program, an internationally renowned academy dedicated to brain research. The NSI is located within a growing community of biomedical and neurobiological research organizations in the greater San Diego area.

Interested candidates should send a curriculum vitae, a letter describing a proposed research program, and the names of three references to **Fellowship Committee, Neurosciences Research Foundation, 10640 John Jay Hopkins Drive, San Diego, California 92121 or via e-mail to Fellowships@nsi.edu.**

Rapid Access to Intervention Development "RAID"

The NATIONAL CANCER INSTITUTE is requesting applications for the following initiative: Rapid Access to Intervention Development (RAID). RAID will make available to academic investigators, on a competitive basis, the preclinical development contract resources of NCI's Developmental Therapeutics Program. RAID is not a grant program to originating investigators. The goal of RAID is the rapid movement of novel molecules and concepts from the laboratory to the clinic for proof-of-principle clinical trials, using NCI's contract research mechanisms. RAID will assist investigators who submit successful applications by providing any (or all) of the preclinical development steps that may be obstacles to clinical translation. These may include, for example, production, bulk supply, GMP manufacturing, formulation, and toxicology. Suitable agents for RAID will include small molecules, biologics, or vaccines. *There are two receipt dates for proposals per year, February 1 and August 1. Current applications must be received by February 1, with all materials submitted directly to the office listed below.* For information on process and procedure, visit the web site, <http://dtp.nci.nih.gov>. Inquiries are encouraged, and the opportunity to clarify issues or questions is welcome. Academic investigators may have collaborations with small-business partners and still qualify for RAID funding. Non-profit organizations other than universities may also now submit RAID applications. Please note that a maximum of two distinct proposals per investigator can be submitted for each application review date. Please contact:

**RAID, Office of Associate Director
Developmental Therapeutics Program, NCI
6130 Executive Blvd., Suite 8000
Executive Plaza North Building - Rockville, MD 20852
Tel: 301.496.8720; Fax: 301.402.0831
Email: sausville@nih.gov**



DIRECTOR FOR SPECIAL POPULATIONS

National Institute of Mental Health, National Institutes of Health
Rockville, Maryland
Vacancy Number NIMH-00-0189

The National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is seeking exceptional candidates for the position of Director for Special Populations (OSP). An urgent need exists to strengthen the NIMH initiative to reduce significant health disparities that are experienced by members of racial and ethnic minorities, women, and other diverse populations. This position offers a unique opportunity for the right individual to develop a distinguished Office for Special Populations. The Director will provide leadership in the development of NIMH policies, goals and objectives for a comprehensive mental health program to increase knowledge and advance effective strategies to deal with problems and issues in the promotion of mental health and the prevention and treatment of mental illness as they pertain to special populations. The Director will lead the strategic planning effort with regard to reducing mental health disparities and increasing diversity among the nation's scientists conducting brain and behavioral research and will be the liaison between the NIMH, other Federal agencies, academic and scientific societies, national voluntary health agencies, the medical research community, the media and the general public on matters pertaining to biomedical, behavioral and social sciences research as it relates to women, minorities and other diverse populations.


Qualifications include a Ph.D., M.D., or equivalent training, in a biomedical, behavioral or social sciences field, plus senior level mental health research experience that demonstrates: knowledge of the disparities that exist in access to and outcomes of mental health care for special populations and the ability to effectively guide new research initiatives to effectively reduce these disparities; ability to advise senior and executive-level staff within and outside of the organization on research issues relevant to special populations; ability to provide broad administrative management for a diverse organization; skill in developing and implementing new or restructured biomedical, behavioral or social science research programs to meet national health and research needs; and demonstrated skill in communicating scientific and policy issues both verbally and in writing.

Compensation will be commensurate with qualifications and experience. Full Federal benefits, including leave, retirement, health and life insurance and retirement saving plan (401K equivalent). Applications from women and members of minority groups are particularly encouraged. Interested parties should submit curriculum vitae, bibliography and a statement addressing the qualifications, by January 15, 2001 to:

Ms. Margot Darby
National Institute of Mental Health
Personnel Management Branch
6001 Executive Boulevard, Room 8154, MSC 9661
Bethesda, Maryland 20892-9661 (for packages sent by U.S.P.S.) OR
Rockville, Maryland 20852 (for packages sent by overnight carrier)

Questions may be addressed to Margot Darby at mdarby@mail.nih.gov or (301) 443-9094. Fax is 301-443-1401. Applicants may visit the NIMH job vacancy website at <http://www.nimh.nih.gov/orm/pmb/jobs.cfm> or the NIH website at <http://www.nih.gov>.

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www.mjr.com



NATIONAL INSTITUTE OF
NEUROLOGICAL
DISORDERS AND STROKE

HELP SHAPE THE FUTURE OF NEUROSCIENCE

The Scientific Review Branch of NINDS, NIH, is seeking one or more **Scientific Review Administrators** to analyze the scientific content of grant applications, select appropriate reviewers, conduct review committee meetings, and provide advice regarding peer review and programmatic issues.

This is a GS 13/14 civil service position (salary range - \$60,890 - \$96,769). Physicians may be eligible for a Physician's Comparability Allowance. Applicants must have U.S. citizenship, a Ph.D. or M.D., and postdoctoral experience in neuroscience research. Applicants with a broad knowledge of neuroscience and neurological disorders, and excellent administrative skills, are particularly sought.

Applicants should submit by 02-01-01 a letter of application (refer to vacancy # NINDS-00-0328), a brief description of career interests, and curriculum vitae to: **Mr. Luis Arvelo, NIH, NINDS HRB, Building 31, Room 8A23, 31 Center Drive MSC 2540, Bethesda, MD 20892-2540; FAX: (301) 480-0383; e-mail: la45j@nih.gov.** Applicants are strongly encouraged to obtain information concerning the knowledge, skills and abilities needed for the position by contacting Mr. Arvelo at (301) 435-6033. For complete information regarding the vacancy please see our Web site at http://www.ninds.nih.gov/jobs_and_training/.

NIH is an Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITIONS (EXTENDED SEARCH) BIOLOGY DEPARTMENT The College of New Jersey

The Department of Biology invites applications for two tenure-track **ASSISTANT PROFESSOR** positions.

EUKARYOTIC CELL BIOLOGIST

The successful candidate will be a Eukaryotic Cell Biologist with training in molecular biology who will participate in the teaching of the cellular and molecular biology course and offer a junior/senior-level course in eukaryotic cell biology. Postdoctoral experience is required. Establishment of a productive research program in eukaryotic molecular cell biology is expected, as is a desire and capability to consistently involve undergraduates in research. Contact: **Dr. Marcia O'Connell, Chair, Eukaryotic Cell Biologist Search Committee; Telephone: 609-771-2879; FAX: 609-637-5118.** For inquiries only, e-mail: moconnel@tcnj.edu.

ANIMAL PHYSIOLOGIST

The successful candidate will develop and teach a junior/senior-level course that examines the physiological function of animals from the molecular to the organ system level. A productive research program in any area of animal physiology is expected. A desire to involve undergraduates in physiological research is required. Active participation in the revision and teaching of the introductory biology sequence is expected. Contact: **Dr. Howard K. Reinert, Chair, Physiologist Search Committee; Telephone: 609-771-2474; FAX: 609-637-5118.**

Applicants for both positions should hold a Ph.D. and demonstrate a strong aptitude for teaching. To apply, please send curriculum vitae; transcripts; statement of teaching interests; general description of the content and coverage of the junior/senior-level course they would develop; statement of research interests; representative publications; and three letters of recommendation by January 15, 2001, to the name of the contact listed above at: **Department of Biology, The College of New Jersey, P.O. Box 7718, Ewing, NJ 08076-0718.** To enrich education through diversity, The College of New Jersey is an Affirmative Action/Equal Opportunity Employer.

EVOLUTIONARY DEVELOPMENTAL BIOLOGY

The Department of Biological Sciences, University at Buffalo, The State University of New York, invites applications for a tenure-track position at the level of **ASSISTANT PROFESSOR** starting in September 2001. We seek an individual who is using molecular approaches to study the evolution of development in multicellular organisms. Competitive start-up funds and generous laboratory space are available. The Department is an integrative biology department with active research groups in molecular biology and molecular ecology. The successful candidate will be expected to develop an active, externally funded research program and have the ability to teach an advanced course in evolutionary genetics and contribute to undergraduate teaching in their area of specialty. Candidates should have a Ph.D. and at least two years of postdoctoral experience.

To apply, please submit curriculum vitae, a description of current and future research interest, and up to three recent or in-press publications. Please include the names, telephone numbers, and e-mail addresses of three persons who will provide letters of reference and arrange to have the letters sent to the Search Committee. Submit the applications and letters to: **Evolution of Development Search Committee, 109 Cooke Hall, University at Buffalo, Buffalo, NY 14260.** Applications will be reviewed on an ongoing basis and will continue until the position is filled. Information about the Department and University can be viewed at [website: http://www.biology.buffalo.edu](http://www.biology.buffalo.edu).

The State University of New York is an Equal Opportunity Employer/Recruiter.

POSITIONS OPEN

UIC The University of Illinois at Chicago

OCULAR ANGIOGENESIS IMMUNOLOGY OF THE EYE

The Department of Ophthalmology and Visual Sciences has a strong tradition of engaging in cutting-edge research and wishes to extend investigative strength in basic aspects of angiogenesis and in immunology.

Applications are invited for two **TENURE/TENURE-TRACK FACULTY** appointments from exceptional M.D. or Ph.D. candidates:

(1) Ocular angiogenesis: The successful candidate will develop a research program with important new insights in cellular and/or molecular aspects of ocular and systemic angiogenesis with special reference to the visual system.

(2) Immunology of the eye: The successful candidate will develop a research program in immunology of the eye or other model sites that are immunologically privileged.

Candidates for these positions will be expected to maintain an independently funded research program and take part in relevant multidisciplinary research and training programs across the medical center. Applicants must have the background and commitment to pursue a federally funded research program in angiogenesis or in immunology using traditional and molecular approaches.

The successful candidate would hold a primary tenure-track appointment in the Department of Ophthalmology and Visual Sciences at the University of Illinois and secondary appointments in the Departments of Pharmacology, Cancer Center, Immunology, or Microbiology as appropriate for the research discipline.

Contemporary laboratory space and an attractive salary package are available. For full consideration, submit a résumé; cover letter, and the names of five references by January 15, 2001, to: **Jose S. Pulido, M.D., M.S., Professor and Head, Department of Ophthalmology and Visual Sciences, University of Illinois at Chicago College of Medicine, M/C 648, 1855 West Taylor, Chicago, IL 60612.**

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

TWO FACULTY POSITIONS IN COMPUTER SCIENCE UNIVERSITY OF VERMONT

The Department of Computer Science at the University of Vermont invites applications for two tenure-track **ASSISTANT PROFESSORS**, commencing with the 2001-2002 academic year. Position One seeks candidates in networking, database systems, programming environments, and/or artificial intelligence, although exceptional candidates in any area of computer science will be seriously considered. Position Two seeks candidates in computational biology or bioinformatics to participate in a major development grant in computational and structural biology recently awarded by the U.S. Department of Energy. More information about the Department and both positions may be obtained from [website: http://www.cs.uvm.edu](http://www.cs.uvm.edu), or e-mail: cssearch@cs.uvm.edu.

Candidates for either position should have a strong research record, hold a Doctorate in computer science or a closely related field, and have broad teaching abilities and interests. Please have a letter of interest indicating the position sought, curriculum vitae, a short statement of teaching interests, a short statement of research interests, and arrange for at least three letters of reference to be sent to: **Chair, Faculty Search, Position (One or Two), Department of Computer Science, University of Vermont, Burlington, VT 05405 U.S.A.** Complete applications received by January 22, 2001, will be fully considered. The University of Vermont is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and members of minority groups.

POSITIONS OPEN

FACULTY POSITION MOLECULAR ONCOLOGY The George Washington University Medical Center

The Department of Pharmacology announces the availability of a **TENURE-TRACK POSITION** in molecular oncology. The successful applicant will have an outstanding record of research accomplishment including success in competition for extramural funding using modern techniques to explore the molecular genetics of cancer (gene mapping, transgenic model); tumor microenvironments (invasion, metastasis, angiogenesis, drug resistance); tumor cell growth and death (cell cycle regulation and apoptosis); or translational molecular therapeutics/diagnostics. An interdisciplinary approach to research is encouraged and facilitated through The George Washington University Institute for Biomedical Sciences (GWIBS), composed of the GWU Medical Center and Columbian College (both located five blocks from the White House); the nearby Children's Research Institute of Children's National Medical Center; the Holland Laboratory of the American Red Cross; and The Institute for Genomic Research (TIGR). The Institute also enjoys close ties with the nearby NIH research campus. The successful candidate will be expected to maintain an extramurally funded research program, provide training opportunities for Postdoctoral Fellows and Ph.D. students in molecular and cellular oncology and pharmacology, and participate in teaching of medical and graduate students. Competitive salary and start-up funds are available. Faculty rank and salary commensurate with prior experience. Applicants with a Ph.D. and/or M.D. degree and substantial postdoctoral experience should submit curriculum vitae; a detailed statement of research accomplishments and future research plans; a description of teaching experience; and the names, addresses, and telephone numbers of at least three references to: **Professor Steven R. Patierno, Chair of the Search Committee, Department of Pharmacology, The George Washington University Medical Center, 2300 Eye Street, N.W., Washington, DC 20037.** Review of applications will begin on January 16, 2001, and continue until the position is filled. The George Washington University is an Equal Opportunity/Affirmative Action Employer.

TENURE-TRACK POSITION FOR MARINE SCIENTIST WITH EXPERTISE IN MARICULTURE

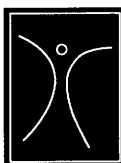
The University of Texas at Austin Department of Marine Science and Marine Science Institute invite applications for a Marine/Aquatic Biologist with research interests in marine fish culture. The successful candidate will hold a joint appointment as a tenure-track faculty member (rank is open) in the Department and as a **RESEARCH SCIENTIST** at the Marine Science Institute in Port Aransas. Areas of expertise could include but are not limited to fish nutrition; fish physiology, pathology, and/or diseases; mariculture engineering; or fish population genetics. Candidates must have a Ph.D. degree. Preference will be given to candidates with a strong research and publication record that demonstrates the application of modern approaches to fish biology and/or mariculture. The successful candidate will be expected to develop an externally funded research program and to contribute to graduate and undergraduate education through departmental course instruction and graduate student supervision. The position receives nine months of annual salary support from the state. For more information about the Institute and Department, please see our [website: www.utmsi.utexas.edu](http://www.utmsi.utexas.edu). Applicants should send curriculum vitae, a statement of research and teaching interests, and the names and addresses of five references to: **Mariculture Search Committee Chair, The University of Texas Marine Science Institute, 750 Channel View Drive, Port Aransas, TX 78373-5015 U.S.A.** Review of applications will begin on February 1, 2001, and will continue until the position is filled. The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.

DEPUTY DIRECTOR FOR OPERATIONS

Lawrence Berkeley
National Laboratory

The Lawrence Berkeley National Laboratory is a world-class, multidisciplinary research institution with a budget of more than \$400M. We are searching for a key executive to be the Deputy Director for Operations. This position serves as a member of the Laboratory's top management team, manages a budget of \$150M and a workforce of 1,300, and represents the Laboratory internally and externally. The operations organization is comprised of a wide range of support services including: Engineering and Technical Services; Environment, Health, and Safety; Facilities; Finance; Human Resources; Administrative Services; and Internal Audit. Ideally, the successful candidate will have significant experience in leading and managing scientific research programs or projects, and will have had senior management responsibility in a mission-oriented, research and development institution. Also essential will be the ability to lead and manage support functions in a way that enables scientific excellence. Knowledge of policy, planning, and technical activities within the DOE complex is also important.

If you are interested in this position, please send your resume or *curriculum vitae* to CCCoolahan@lbl.gov. You may also mail your resume to Cynthia Coolahan, Human Resources, Lawrence Berkeley National Laboratory, 1 Cyclotron Road, Mailstop 937-0600, Berkeley, CA 94720. Your resume will be most useful if received by January 15, 2001; however, the position will remain open until filled. Berkeley Lab is an AA/EEO employer.



cti *Making Cancer More Treatable*

Cell Therapeutics, Inc. (cti), a Seattle-based pharmaceutical company, was founded on the belief that a coalition between unique scientific technology and its "product-driven patient focus" could pave the way for a new generation of therapies to help make cancer more treatable.

We strive to do business better than other pharmaceutical companies. Better means a more collaborative, well-trained team environment willing to institute novel approaches to scientific discovery and business opportunities.

cti research is focused on identification, development, and commercialization of novel cancer therapeutics. The core research programs focuses on targeting phospholipid metabolizing enzymes important in signaling pathways as targets for drug development.

cti's employees are focused on developing and commercializing new therapies for those who suffer from cancer. A willingness to push the limits and achieve challenging goals are the essential attributes that set cti employees apart. We currently have the following exciting opportunities available at our headquarters overlooking the magnificent Puget Sound:

Senior Scientist, Cell Biology

This supervisory position will require you to design, manage, and perform experiments using expertise in tumor biology, molecular biology, and biochemistry to meet corporate research goals and objectives. This individual will serve as spokesman for external presentations to the scientific community, other corporate entities, and to patent attorneys. Requires a Ph.D. in molecular biology, biochemistry, tumor biology, or related field, 5+ years of postdoctoral experience, and a proven research record in tumor cell signal transduction.

Job #BF1100S

Scientist(s), Cell Biology

Ph.D./M.S./B.S. in appropriate scientific discipline with 3-5 years of demonstrated experience in techniques of cell and molecular biology, and analysis of signal transduction pathways. The individuals in these positions will use their expertise to conduct studies to determine the roles of cloned and expressed lipid metabolizing enzymes and the effects of specific inhibitors on tumor cell biology, ectopic gene expression, and cell signaling cascades. **Job #JC1200S**

Scientist, Research Analytical Chemistry

M.S. or B.S. in analytical or pharmaceutical chemistry with 5+ years of experience with bioanalytical assays of drugs and their metabolites by LC-MS/MS. This individual will be responsible to develop, validate, and utilize analytical methods to quantitate drugs and related metabolites in biological matrices in support of drug development programs. The ideal candidate will have a strong background in both MS and HPLC including experience in quantitation of small molecules by LC-MS/MS, structure elucidation of metabolites by MS/MS, assay optimization, and biological sample extraction. Experience in synthetic polymer analysis and/or MALDI-TOF MS would be a plus. **Job #SS1200S**

We offer a competitive compensation and benefits package as well as an environment where your contributions can make a significant difference. For additional position details and other career opportunities, please see our website. To apply for any of the above positions, please forward your resume referencing the appropriate job # to:

Cell Therapeutics, Inc.
Human Resource Development
201 Elliott Avenue West, Suite 400
Seattle, WA 98119

Fax: (206) 284-6206
Job Line: 1-800-656-2355
e-mail: resume@ctiseattle.com
<http://www.cticseattle.com>

An Equal Opportunity Employer

POSITIONS OPEN

CARDIOVASCULAR PATHOLOGIST DEPARTMENT OF PATHOLOGY UNIVERSITY OF ALABAMA

The Division of Anatomic Pathology and the Division of Molecular and Cellular Pathology in the Department of Pathology, University of Alabama at Birmingham, invite applications from dynamic Investigators with a commitment to basic research in cardiac or vascular biology for a full-time tenured, tenure-track, or nontenure-track faculty position. Salary and rank will be commensurate with experience and background. An attractive start-up package and ample research space are available. The successful candidate will be an M.D., M.D./Ph.D., or Ph.D. with residency training incorporating anatomic pathology. This individual will join a large faculty in a state-of-the-art department with a rich and diverse program in teaching; diagnostic service; and basic, clinical, and translational research. The Ph.D., residency, and subspecialty residency (Fellowship) training programs are large and growing. The clinical base is large and diverse including heart transplantation. For Physician Investigators, this full-time position offers significant protected time and a modest service commitment. Those applying above the rank of **ASSISTANT PROFESSOR** are expected to have a demonstrated record of both productivity and extramural support. UAB has several programs and Centers of Excellence including The Comprehensive Cancer Center, the Center for Metabolic and Bone Diseases, AIDS Center, Macromolecular Crystallography Center, and the Hypertension and Vascular Biology Program. Interested candidates should submit a letter of interest and detailed curriculum vitae including a list of publications by February 1, 2001, to: **Gene P. Siegal, M.D., Ph.D., Professor and Director, Division of Anatomic Pathology, Department of Pathology, University of Alabama at Birmingham, 506 Kracke Building, 619 19th Street South, Birmingham, AL 35233-6823.** *The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.*

INSECT MOLECULAR BIOLOGIST DEPARTMENT OF ENTOMOLOGY College of Agricultural and Environmental Sciences The University of Georgia

Applications are invited for a 12-month, tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. The successful candidate will integrate genetic, molecular, and cellular approaches in a creative research program of potential relevance in managing insect populations or behaviors. Areas of particular interest to the Department are insect/pathogen interactions and neuropharmacology. This position (75% research, 25% teaching) will be located on the Athens campus. Opportunities exist for joint staffing in the Department of Biochemistry and Molecular Biology. Collaborative opportunities abound including participation in an applied genetics initiative and the Center for Tropical and Global Emerging Diseases ([website: http://www.uga.edu/ctegd/](http://www.uga.edu/ctegd/)).

Candidates must have an earned Doctorate in a biological science; training and experience in entomology is essential. The successful applicant should have a well-recognized and independently funded research program, a strong record of peer-reviewed publication, excellent communication skills, a strong commitment to teaching, and well-defined objectives for the research program. Send curriculum vitae, reprints of two of your most important publications, a statement of research interests, and the names of three references to: **Dr. Michael J. Adang, Search Committee Chair, Department of Entomology, The University of Georgia, Athens, GA 30602-2603. Telephone: 706-542-2816; FAX: 706-542-2279; e-mail: adang@arches.uga.edu.** Closing date: Applications received by February 15, 2001, are assured of consideration. *The University of Georgia is an Equal Opportunity/Affirmative Action Institution. Women and minorities are encouraged to apply.*

POSITIONS OPEN

FACULTY POSITION LEHIGH UNIVERSITY

P. C. Rossin College of Engineering and Applied Science. Applications are invited for a tenure-track faculty position within the Department of Chemical Engineering at Lehigh University. Our particular interest at this time is in adding a dynamic **ASSISTANT PROFESSOR**, although rank is open depending on qualifications to any one of three expanding interdisciplinary and interdepartmental groups: life sciences/pharmaceuticals/biotechnology or materials/polymers/interfaces or computation/systems engineering. Other ads will follow; we are a dynamic department on the move. Candidates must have a Ph.D., Sc.D., or equivalent degree in chemical engineering and must be willing to mount a vibrant research program as well as engage in enthusiastic teaching of undergraduate or graduate students in chemical engineering. Candidates should send curriculum vitae; names, addresses, telephone and FAX numbers, and e-mail addresses of four references; and a detailed statement of research plans and teaching interests to: **Professor Christos Georgakis, Chair of Search Committee, Department of Chemical Engineering, Lehigh University, 111 Research Drive, Bethlehem, PA 18015.** The Search Committee will consider applications received by 15 March 2001 and continue until the position is filled, which preferably will be by 1 September 2001. More information is available on our [website: www.lehigh.edu/~inchm/](http://www.lehigh.edu/~inchm/). *Lehigh University is committed to recruiting, retaining, and tenuring members of groups underrepresented in engineering. Equal Opportunity Employer.*

FACULTY POSITIONS Medical University of South Carolina

ASSISTANT PROFESSORS/INSTRUCTORS: Three positions for Molecular Biologists and Cell Biologists to study the molecular basis of neurodegenerative disorders associated with dysfunction of peroxisomes/lysosomes. The applicant should have a Ph.D. and/or M.D. degree with strong skills in molecular biology and possible expertise in generation of transgenic animal models and/or signal transduction pathways for cell survival/cell death. Investigate the metabolic biology of peroxisomal and related disorders.

POSTDOCTORAL FELLOWSHIPS: Three positions for candidates with expertise in cell/molecular biology to study the signal transduction pathways for the release of inflammatory mediators that play a role in the disease process of neurodegenerative diseases.

Applicants should submit curriculum vitae, statement of research plans, and names of three references to: **Dr. Randeep Singh, Vice Chair for Research, Department of Pediatrics, 316 CSB Medical University of South Carolina, Charleston, SC 29425. E-mail: Singhi@musc.edu.**

Denison University Environmental Studies Program seeks a full-time, senior-level **VISITING PROFESSOR** for one to two years beginning August 2001. Preference given to candidates at **ASSOCIATE** or **FULL PROFESSOR** and also to candidates with interdisciplinary training and extensive experience in environmental studies/science. Will teach interdisciplinary introductory course, courses in candidate's interest area(s), and advise senior research. Candidates should demonstrate teaching excellence and innovative ideas for hands-on experiential student opportunities. Please send letter, curriculum vitae, statement describing views on teaching environmental studies in the liberal arts, and contact information for three references to: **Dr. Abram Kaplan, Environmental Studies Director, Denison University, Granville, OH 43023.** Review of applications begins January 16, 2001, continuing until position is filled. More information at [website: http://www.denison.edu/enviro](http://www.denison.edu/enviro). *Denison University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

POSITIONS OPEN

COASTAL ECOLOGY

The Southern California Coastal Water Research Project Authority ([website: www.sccwrp.org](http://www.sccwrp.org)), a non-profit aquatic research agency, announces four positions in coastal ecology:

WATERSHED SCIENTIST: Assist in developing regional watershed models by studying the effects of land use patterns on temporal dynamics of flow and water quality. The position is especially challenging in Southern California where climate is characterized by few but intense precipitation events. The preferred candidate will have experience with application of watershed models and development of integrated coastal watershed management programs.

WETLANDS ECOLOGIST: Assist the Science Advisory Panel of the Southern California Wetlands Recovery Project ([website: www.coastalconservancy.ca.gov/sccwrp](http://www.coastalconservancy.ca.gov/sccwrp)) in implementing a research agenda for Southern California wetlands. The successful applicant will also be asked to develop his/her own research program within the context of that agenda. The preferred candidate will have experience interest in wetlands restoration, monitoring of wetlands quality, or watershed effects on wetlands sustainability.

ENVIRONMENTAL MICROBIOLOGIST: Conduct research to develop rapid detection methods for microbiological indicators and to further explore new indicators that will improve the quality and reliability of beach water quality assessments in Southern California. Work with local health departments to translate this research into improved beach water quality management strategies. The preferred candidate will have experience or interest in developing advanced source identification methods.

MARINE ENVIRONMENTAL TOXICOLOGIST: Conduct studies to assess the effects of contaminated sediment on marine life and develop advanced methods for identifying causes of sediment toxicity. The preferred candidate will have experience in the measurement and interpretation of sediment quality data, proficiency in the development and application of numeric sediment quality guidelines, and the capability to conduct laboratory toxicity and bioaccumulation experiments.

All four are research positions with an expectation of peer-reviewed publication. Candidates should have a Ph.D., and postdoctoral experience is desirable. Applicants should submit a résumé, up to two reprints, and the names of three references to: **Bryan Neece, Southern California Coastal Water Research Project, 7171 Fenwick Lane, Westminster, CA 92683. E-mail: personnel@sccwrp.org.**

The University at Buffalo, an AAU institution, seeks two academic-year, tenure-track **ASSISTANT PROFESSORS** for the Department of Biotechnical and Clinical Laboratory Sciences. The Department offers B.S. degrees in biotechnology, medical technology, and nuclear medicine technology and an M.S. degree in medical technology ([website: http://www.wings.buffalo.edu/hrp/cls](http://www.wings.buffalo.edu/hrp/cls)).

Doctoral degree is required; postdoctoral training desired. One position includes teaching responsibility in biochemistry (clinical focus). The second position includes teaching responsibilities in genomics/proteomics, forensics, plant biotechnology, and/or medical genetics. Both positions require new course offerings in area of specialization for the biotechnology curriculum and assisting with the internship program. Applicants must take an active role in the mentoring of graduate students and must establish an active funded research program in molecular mechanisms of disease, bacteriology, molecular toxicology, or other appropriate area. Responsibilities begin August 2001. Salary level is based on qualifications.

Applicants should submit a letter of application indicating position desired, statement of research goals, curriculum vitae, and three letters of reference to: **Robert Klick, Search Committee Chair, Department of Biotechnical and Clinical Laboratory Sciences, University at Buffalo, 26 Cary Hall, 3435 Main Street, Buffalo, NY 14214.** Application deadline is February 15, 2001. *The University at Buffalo is an Equal Opportunity Employer/Recruiter.*



Postdoctoral Positions available at the National Human Genome Research Institute, NIH, Bethesda. Dr. Jennifer Puck's program in the Immunologic Genetics Section, Genetics and Molecular Biology Branch has funded openings for well qualified and highly motivated Ph.D. and M.D. postdoctoral trainees. Previous experience in molecular genetics and immunology desirable. Projects include immunodeficiency disease gene discovery, probing links between immunodeficiency and autoimmunity, and gene therapy. Salary commensurate with experience.

Please submit C.V. and 3 letters of recommendation to:

Dr. Jennifer Puck
GMBB, NHGRI/NIH
Building 49, Room 3A14
49 Convent Drive
Bethesda, MD 20892-4442.
Email: jpuck@nhgri.nih.gov

The NIH is an equal opportunity employer.



MAYO CLINIC

Vascular Medicine

Postdoctoral position available to study inflammatory mechanisms in coronary artery disease. Candidates should have a M.D. or Ph.D. and experience in cellular or molecular immunology. Experience in cardiology or vascular medicine is desirable.

Applications, including curriculum vitae and names of three references, should be sent to:

Cornelia M. Weyand, M.D.
Departments of Immunology
and Medicine
Mayo Clinic

200 First Street SW
Rochester, MN 55905

e-mail: weyand.cornelia@mayo.edu
See also: <http://www.mayo.edu/research/>

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

BIOLOGIST/ HEALTH SCIENTIST ADMINISTRATOR

National Institutes of Health - National Institute on Deafness and Other Communication Disorders

The National Institute on Deafness and Other Communication Disorders (NIDCD), located in Rockville, Maryland, is recruiting for a full-time, Biologist/Health Scientist Administrator in the Division of Extramural Research, Scientific Review Branch. The incumbent will plan, coordinate and execute the initial review of research and training applications, and contract proposals in communication sciences and disorders. This involves administration of all logistical and procedural aspects to effect competent and fair evaluations. Candidates should have extensive experience in a basic, clinical or applied science area of biomedical/behavioral research relevant to the mission of the NIDCD. Experience in scientific review administration of biomedical research is desired.

Candidates must possess a M.D., Ph.D., or equivalent doctoral degree in an academic field of health or pertinent sciences allied to health or health-related research. Candidates must meet the GS-401/601-12 level or above qualification standards as described in the Qualification Standards Operating Manual. Applicants who meet the minimum qualifications will be further evaluated based on the degree that they meet the Knowledge, Skills and Abilities (KSAs). Failure to provide a statement addressing each of the specific KSAs for this position may place the applicant at a relevant disadvantage compared to other applicants. The KSAs for this position may be found at <http://careerhere.nih.gov> by searching under vacancy announcement number DC-00-0030.

This appointment confers government benefits. The salary range is from \$56,204 to \$93,537 per annum and is commensurate with education and experience. Appointee must be a U.S. citizen.

Applicants are required to submit an application, e.g., Curriculum Vitae or any other written format, plus a bibliography, KSAs, two letters of reference from non-collaborators, copy of doctoral degree and certified translation, if applicable, to:

Ms. Gayle Mundell, NIDCD Personnel Office
31 Center Drive, Building 31, Room 3C-11, MSC 2320
Bethesda, MD 20892-2320

or you may apply on-line through <http://careerhere.nih.gov>. Applications must be postmarked by **January 2, 2001**. Please annotate announcement number DC-00-0030 on the application. For further information contact (301) 402-0508 (voice) or (301) 402-1562 (TTY) or you may e-mail Ms. Mundell at mundellg@nidcd.nih.gov.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

Applications from women, minorities and persons with disabilities are strongly encouraged

MIT FACULTY POSITIONS

The Harvard University-Massachusetts Institute of Technology Division of Health Sciences and Technology (HST) seeks candidates for tenure track Faculty Positions at junior and senior levels, starting in September 2001, which include teaching, research, and supervision of theses.

HST is a collaborative program established in 1970 between the Massachusetts Institute of Technology (MIT) and Harvard University to foster research and educational programs that integrate science, engineering, and medicine towards the solution of biomedical problems. With 320 students currently enrolled in the Division's degree programs M.S., Ph.D., and/or M.D., HST is now among the largest biomedical engineering and physician scientist training programs in the United States. Graduates of our programs have been highly successful in careers in both the academic and industrial sectors, with an emphasis on biomedical engineering, biomedical sciences, and medicine. The HST faculty is drawn broadly from MIT, the Cambridge campus of Harvard University, and Harvard Medical School and its teaching hospitals.

We seek candidates with backgrounds in interdisciplinary fields of biomedical engineering and/or the biomedical sciences and who have a particular interest in: biomedical imaging, tissue engineering, biomedical engineering, quantitative physiology, biological and medical informatics, experimental therapeutics, molecular medicine, human genetics, space medicine and medical instrumentation. We anticipate that the successful candidate will have a joint appointment with another department at MIT, Harvard Medical School or one of teaching hospitals. Collaborative opportunities with investigators at MIT, Harvard University, Harvard Medical School and the hospitals are abundant.

HST is strongly committed to diversity in its faculty as well as in its student body. We encourage applications from men and women of all demographic backgrounds. All candidates should reply to the address below, describing their professional interests and their goals in both teaching and research. Each application should include a curriculum vitae and the names and addresses of three or more individuals who will provide letters of recommendation. Please arrange to have such letters sent directly to the address below. Review of applications will begin Fall 2000 and will continue until the positions are filled.

Send applications to: **Martha L. Gray, Ph.D., Edward Hood Taplin Professor of Medical Engineering and Electrical Engineering, Co-Director, Harvard-MIT Division of Health Sciences & Technology, Massachusetts Institute of Technology, E25-510, 77 Massachusetts Avenue Cambridge, MA 02139.**



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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web.mit.edu/personnel/www

POSITIONS OPEN

ASSOCIATE DEAN FOR ACADEMIC PROGRAMS College of Agricultural, Food, and Environmental Sciences University of Minnesota

The University of Minnesota seeks an outstanding individual to provide leadership and vision for education as Associate Dean for Academic Programs in the College of Agricultural, Food, and Environmental Sciences (COAFES). General administrative and leadership responsibility for undergraduate, continuing, and distance education including curricula, instruction, admissions, student services, scholarships, career services, faculty development; shared responsibility for recruiting, international student programs, and graduate and professional program coordination. Initial three-year appointment; annual reappointment based on review. Required qualifications include earned Doctorate in a field related to the academic departments of COAFES and five years of postdoctoral experience in postsecondary education. Desired qualifications include administrative and/or leadership experience in educational programs; demonstrated understanding of learning environment in collegiate units; demonstrated understanding of food, agriculture, and the environment in context of land grant mission; experience with interdepartmental and/or intercollegiate education programs; demonstrated ability to communicate effectively. See complete position description and additional information about COAFES at website: <http://www.coafes.umn.edu/>. Completed application will include one-page statement of career goals; two-to-three-page essay titled, "Academic Programs in the College of Agricultural, Food, and Environmental Sciences in 2010"; curriculum vitae; and names, addresses, and telephone numbers of three references. Review of applications begins January 16, 2001. Send nominations and applications to: **Dr. Gary Gardner, Chair, Search Advisory Committee, c/o COAFES Student Affairs, 120 Biosystems and Agricultural Engineering, 1390 Eckles Avenue, St. Paul, MN 55108-1030. Telephone: 612-624-3606.** *The University of Minnesota is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.*

BIOLOGY

Gannon, a Catholic University located in Erie, Pennsylvania, invites applications for the following nine-month, tenure-track position to begin August 2001.

ASSISTANT PROFESSOR OF BIOLOGY: The Department is seeking a Developmental Biologist who will teach 24 credit hours per academic year including human anatomy and physiology, course/s in developmental biology, and courses in the candidate's area of interest. Responsibilities will also include directing student research. Required qualifications include an earned Ph.D. in biological sciences and training and ability to teach courses associated with this position. Teaching experience at the college level preferred.

Gannon is dedicated to student-centered learning with an emphasis on student learning outcomes and interactive and collaborative teaching and learning styles. Successful candidates must give evidence of competence in these teaching methods, of scholarship, and involvement in professional and university functions. Further, they must be committed to teaching in a comprehensive university and able to support Gannon's mission.

Position will remain open until the vacancy is filled. To apply, submit cover letter, curriculum vitae, and three letters of reference to: **Gannon University, Human Resource Department, 109 University Square, Erie, PA 16541-0001. FAX: 814-871-7514; e-mail: hrdept@gannon.edu.** Questions regarding this position may be e-mailed to: **Professor David J. Gustafson; e-mail: gustafsond@gannon.edu.** For more information about Gannon, visit our website: www.gannon.edu. *Gannon University is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

SAINT LOUIS UNIVERSITY HEALTH SCIENCES CENTER

DEPARTMENT CHAIR/ENDOWED CHAIR. The Department of Biology at Saint Louis University, a Catholic Jesuit institution dedicated to education, research, and health care, invites applications for the position of Department Chairperson who will also assume the William S. Barnickel Endowed Chair in the Natural Sciences beginning July 1, 2001. Applicants must have an established record in research, teaching, grantsmanship, and administration. The 18-member Department of Biology offers B.A., B.S., M.S., and Ph.D. degrees with concentrations in both cell/molecular regulation and evolution/ecology/systematics. SLU is a Carnegie doctoral/research-extensive institution located in midtown St. Louis, Missouri. Collaborative research is encouraged between the Department of Biology and the SLU Health Sciences Center, Missouri Botanical Garden, St. Louis Zoo, and other local universities. Completed applications must include a letter describing the applicant's research program; teaching philosophy and administrative experience; curriculum vitae (including evidence of grantsmanship and courses taught); and the names, addresses, telephone numbers, and e-mail addresses of five professional references. Send application to: **Dean Shirley Dowdy, College of Arts and Sciences, 220 North Grand Boulevard, St. Louis, MO 63103-2007. Inquiries: Dean Dowdy; Telephone: 314-977-2707; e-mail: dowdy@slu.edu.** To ensure full consideration, all materials should be received by January 31, 2001. *Saint Louis University is an Affirmative Action/Equal Opportunity Employer. Applications from women and members of minority groups are strongly encouraged.*

BIOLOGY/ALLIED HEALTH: tenure-track **ASSISTANT PROFESSOR.** Fall 2001. Broad training in field ecology with teaching and research interests in plant biology. Commitment to undergraduate teaching and expected to develop a research program with projects suitable for senior thesis research students. Wide variety of courses in botany and environmental science and involvement in the freshman laboratory courses (biological investigations). A Ph.D. and teaching experience required; postdoctoral research experience preferred. Candidates are invited to send letter of application, curriculum vitae, transcripts, statement of teaching philosophy and research interests, three letters of reference, and supporting materials to: **Dr. Kathleen C. Swallow, Dean of Faculty for Science and Engineering, Merrimack College, 315 Turnpike Street, North Andover, MA 01845.** Review will begin January 19, 2001, and continue until positions are filled. *Equal Opportunity Employer. Women and minorities are encouraged to apply.*

TENURE-TRACK FACULTY POSITION CELLULAR AND MOLECULAR BIOLOGY

The Department of Biology, University of Puerto Rico, Río Piedras, invites applications for a tenure-track position in cellular and molecular biology. Preference will be given to those in areas related to development, neuroscience, or genetics. The candidates are expected to develop an active research program and to teach at the graduate and undergraduate levels. Candidates must hold a Ph.D. or equivalent and have postdoctoral experience. Interested candidates should send résumé; a statement of current and future research goals; representative publications; and three letters of reference before January 31, 2001, to: **Dr. José E. García-Arrarás, Search Committee, Biology Department, Box 23360, UPR Station, San Juan, PR 00931-3360. E-mail: jegarcia@rrpac.upr.clu.edu.** *University of Puerto Rico is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

STOWELL RESEARCH CHAIR IN EXPERIMENTAL PATHOLOGY The Department of Medical Pathology University of California, Davis

The Department of Pathology in the School of Medicine at the University of California, Davis, announces the search for the endowed Stowell Research Chair of Medical Pathology. The Stowell Chair will provide prominent leadership in the establishment and development of a basic research program in experimental pathology. Special consideration will be given to applicants with research programs in cardiovascular disease, cancer, or infectious disease. The incumbent will be a nationally and internationally recognized Physician Scientist at the **ASSOCIATE** or **FULL PROFESSOR** level with an established track record of successful extramural funding. The successful candidate must possess an M.D. or M.D./Ph.D. degree and an outstanding record in experimental pathology. Position includes a full-time equivalency in the School of Medicine, research and office space, and start-up funds to be negotiated with the Department Chair. This position is open until filled. Please forward (1) letter of interest describing research, teaching, and administrative background; (2) curriculum vitae including reprints of three selected recent publications; and (3) five references (including names, addresses, and telephone numbers) to:

**Ralph Green, M.D.
Chair, Department of Pathology
c/o Sharon Schauer**

**University of California, Davis, Medical Center
4400 V Street, PATH Building
Sacramento, CA 95817**

The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of diversity.

VICE CHAIR OF PEDIATRICS FOR LABORATORY SCIENCES

Vanderbilt University Medical Center seeks a Vice Chair of Pediatrics for Laboratory Research. This individual should have an established research program, preferably in the area of developmental biology or genetics/genomics. Their leadership role will include the recruitment of faculty, fostering the development of junior faculty careers in research and research training of pediatric residents and fellows as well as graduate students. Individuals with an M.D., M.D./Ph.D., or Ph.D. will be considered.

All interested applicants should send curriculum vitae, brief summary of long-term research goals, and the names of at least three professional references to:

**Dr. Lee E. Limbird
Associate Vice Chancellor for Research
Vanderbilt University School of Medicine
D-3300 Medical Center North
Nashville, TN 37232
FAX: 615-343-7286**

Vanderbilt University is committed to principles of Equal Opportunity and Affirmative Action.

FACULTY POSITION DEPARTMENT OF BIOCHEMISTRY Tel Aviv University Tel Aviv, Israel

The Department of Biochemistry invites applications to fill a tenure-track **LECTURER/SENIOR LECTURER** position. The successful candidate will be expected to undertake independent research and participate in the Department's teaching activities. Applications consisting of curriculum vitae, list of publications, short description of the applicant's research plans, and three letters of recommendation should be sent to: **Professor Rimona Margalit, Head of Department and Head of Search Committee, Department of Biochemistry, Tel Aviv University, Ramat Aviv 69978 Israel. Website: www.tau.ac.il.** Applications to be postmarked no later than March 31, 2001.

Canada Research Chair in Marine Conservation Genetics

The Department of Biology at Dalhousie University invites applications from outstanding candidates to develop a proposal for a Tier II Canada Research Chair. This will be a full-time, tenure-track position at the rank of Assistant Professor or Associate Professor, and could start as soon as July 1, 2001. This position is part of a collaboration between Dalhousie University and the Department of Fisheries and Oceans. This collaboration is intended to foster high profile, collaborative research and anticipates results of significant value to understanding and managing Atlantic fisheries, aquaculture development, and biodiversity issues.

This Tier II Canada Research Chair will be in the field of marine conservation genetics, and will independently complement work done by an already appointed senior Chair: "The DFO Chair in Fisheries Resource Conservation Genetics and Biotechnology." Both Chairs are seated in the Biology Department within the Resource Conservation Genetics and Biotechnology group and the Marine Gene Probe Laboratory.

Application is sought from outstanding candidates with a Ph.D. in a relevant discipline. Demonstrated achievement and excellence in marine conservation, including genetics, is essential. Interests in population and community ecology relevant to marine conservation are desirable. The successful candidate will have limited undergraduate teaching and administrative responsibilities, and is expected to rapidly develop a strong and creative research program with external funding.

Applications should consist of a curriculum vitae, a list of publications, copies of five publications, a summary of research interests, a detailed proposal for research to be undertaken, a statement of teaching interests and accomplishments, and the names and addresses of five referees (including three at arm's length). The completed application should be sent to **Professor Robert Latta, Department of Biology, Dalhousie University, Halifax, NS, Canada, B3H 4J1**. The closing date for receipt of applications is February 28, 2001. For details on the Canada Research Chair Programme, see the website: <http://www.chairs.gc.ca>

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. Dalhousie University is an Employment Equity / Affirmative Action employer. The University encourages applications from qualified Aboriginal people, persons with a disability, racially visible persons, and women.

phylos

ADVANCED PROTEIN PERFORMANCE

Phylos is a privately-held company, developing technologies that will play a pivotal role in translating the human genome into novel pharmaceutical products. Our first product under development is the HIP™ Chip, the first high-throughput protein biochip to revolutionize drug discovery and functional proteomics. Our scientific approach is highly interdisciplinary, involving molecular biology, protein biochemistry, chemistry and high-throughput technologies. We are seeking highly motivated, enthusiastic scientists and managers as we develop cutting-edge technologies on the genomic frontier.

Director, Preclinical Studies

Job Code: 112k-1

We are seeking an experienced leader for establishing and directing preclinical studies using biological drug candidates. These efforts will include the coordination of internal discovery efforts and external collaboration with academic and contract laboratories. Five to ten years experience in developing *in vivo* models in cancer and/or immunology is required.

Director, Bioinformatics

Job Code: 112k-2

You will be responsible for the creation and management of our internal bioinformatics department. The successful candidate should have at least ten years of experience in database creation, and in hiring, organizing and managing a bioinformatics team. Efforts will include the creation of internal clone tracking and biological assay databases and proprietary sequence and protein:protein interaction databases. In addition to internal efforts, you will also be responsible for the coordination and management of external research collaborations with multiple corporate partners.

Director, Core Technology

Job Code: 112k-3

You will be responsible for the day-to-day duties of a team of scientists focused on technology development, high-throughput characterization, automation and solid phase applications. This group will be highly collaborative across the entire company, focusing on critical path issues of the core technology as well as the implementation of automation across all areas. In addition, this group will be responsible for the solid phase application of high affinity binding agents for the creation of a protein chip. The successful candidate should have five to ten years of experience in high-throughput technologies, assay development, and automation along with a proven track record for successful management of a diverse group of scientists.

Director, Proteomics

Job Code: 112k-4

We are seeking an experienced leader in the field of proteomics and functional genomics to coordinate a group of highly motivated scientists towards the goal of mapping protein:protein, enzyme:substrate, and drug:protein interactions. This group will create and interrogate a proprietary relational database of physical and functional protein:protein interactions for the purpose of target validation. These efforts will include both internal research and external collaborations with corporate partners. Ten years experience and demonstrated success in the development and motivation of staff are required.

Peptide / Protein Selection

Ph.D. Job Code: 112k-6

We are looking for a number of individuals to apply a novel directed evolution approach in a variety of areas. This includes the generation of high affinity capture proteins using random peptides and proprietary scaffolds as well as selections with cellular libraries for proteomic applications. The position requires excellent organizational skills and the need to work independently in a collaborative atmosphere. Candidates should have experience with basic molecular biology techniques including DNA manipulation, PCR, as well as *in vitro* RNA transcription and protein expression. Candidates with experience in Phage Display/SELEX and RNA manipulation are highly preferred. For the peptide applications, experience with synthetic peptide chemistries also preferred.

Protein Characterization

Ph.D. Job Code: 112k-8

You will develop technologies that are capable of high-throughput analysis of binding affinities between capture proteins and their targets. Candidates must have a strong background in the thermodynamic and kinetic analysis of macromolecular complexes using a variety of techniques (ELISA, ELIFA, Biacore etc.) Experience in lab automation and high-throughput technologies preferred. In addition, candidates should have experience with basic molecular biology techniques including cloning, protein expression, DNA manipulation, PCR and *in vitro* RNA transcription.

Protein Chip - Immobilization

Ph.D. Job Code: 112k-13

You will join an interdisciplinary team developing a novel Protein Microarray platform. Extensive experience in the area of protein immobilization or conjugation and surface chemistry is required. Exposure to microarray technologies, high-throughput screening, biosensors and immunoassay is beneficial.

Cell Biology

Ph.D. Job Code: 112k-16

We are seeking candidates to assist in three areas of Phylos' drug discovery program: (1) development of a novel technology for the identification of mammalian cell-surface receptor ligands, (2) generation of high-affinity binding reagents to cell-surface antigens, and (3) development of cell-based assays to identify and characterize lead therapeutic candidates. Standard techniques in molecular and cellular biology (nucleic acid manipulation, tissue culture, transfection, FACS, microscopy, biochemical analysis of signal transduction, etc.) are required. Excellent communication skills and the ability to work independently are essential.

Biological/Biocombinatorial Chemistry

Ph.D. Job Code: 112k-20

We are seeking highly motivated, team-oriented and independent Ph.D. - level scientists with experience in peptide and nucleic acid chemistry, and with good knowledge of basic molecular biology techniques. The chosen scientist will use our proprietary combinatorial screening technology to identify peptide ligands for applications in the drug discovery process. Candidates with experience in selection technologies (SELEX) are preferred.

PHYLOS offers a competitive compensation package including, health benefits, 401k and stock options.

Send CV's to Phylos, Inc.
128 Spring Street, Lexington, MA 02421
Fax/email resume to 781-402-8800
or jobs@phylos.com
PLEASE, NO PHONE CALLS.
Phylos is an equal opportunity employer.

www.phylos.com

POSITIONS OPEN

FACULTY POSITION IN PHARMACOLOGY SCHOOL OF PHARMACY University of Wyoming

The University of Wyoming, located in the Laramie Valley amid the splendor of the Rockies, invites applications for a **TENURE-TRACK FACULTY POSITION** in pharmacology. Rank is open.

The School of Pharmacy ([website: www.uwyo.edu/Pharmacy/pharmacy.htm](http://www.uwyo.edu/Pharmacy/pharmacy.htm)) offers a four-year program of study leading to the Doctor of Pharmacy degree (Pharm.D.) as the only entry-level professional degree. The School consists of 21 full-time faculty and accepts 48 students annually into the professional program. The mission of the School of Pharmacy is to provide a sound scientific and professional background necessary for the successful provision of patient-oriented primary pharmaceutical care with emphasis on rural interdisciplinary community-based practice.

Job expectations: The successful candidate will teach pharmacology to students in the professional program, will develop a research program related to the applicant's area of expertise, and will secure funding to support that program. The successful applicant will also advise preprofessional and professional students; serve on university, college, and/or school committees; and will have the opportunity, if so inclined, to provide administrative leadership in the Division of Pharmaceutical Sciences by assuming the role of Director. The position also provides an opportunity to teach nursing and first-year medical students and to collaborate with other faculty in the life sciences. The university has recently received a multimillion dollar COBRE grant, and the successful candidate will have an opportunity to participate in a variety of research projects.

Requirements: The successful applicant should have a Doctorate, teaching experience, and a demonstrated potential for scholarly research. Administrative experience is preferred. An outstanding record of teaching, scholarship, and academic administration is expected to warrant appointment with tenure.

Application information: Review of applications will begin January 31, 2001. The starting date of employment is August 28, 2001. Applications should include a cover letter that addresses how the applicant's strengths match expectations and requirements of the position, curriculum vitae, and three letters of support. Applications should be sent to: **Harold J. Bruyere, Ph.D., Professor of Pathology and Toxicology, Chair, Pharmacology Search Committee, The University of Wyoming School of Pharmacy, P.O. Box 3375, Laramie, WY 82071.** *The University of Wyoming is an Equal Opportunity/Affirmative Action Employer.*

SECTION OF MEDICAL ONCOLOGY Yale University School of Medicine

The Section of Medical Oncology at Yale University School of Medicine is seeking candidates who are interested in the study and treatment of malignant melanoma, breast, genitourinary, and gastrointestinal malignancies. These positions may carry appointment at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. Unparalleled opportunities, which are built on a regional referral system, clinical trials infrastructure of the Yale Cancer Center, and a track record of success in the Yale Department of Pharmacology, exist for drug development. New directions of therapy complement the institutional strengths in immunology, virology, genetics, molecular biology and pharmacology, and one of the world's most visible protein structure computational and combinatorial chemistry groups. Interested candidates should submit curriculum vitae and three letters of reference to: **Jacki McKim, Department of Internal Medicine, Yale University School of Medicine, 135 College Street, Second Floor, New Haven, CT 06510-2483** by January 31, 2001. FAX: 203-785-2830. *Yale University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.*

POSITIONS OPEN



ASSISTANT PROFESSOR CHEMICAL ENGINEERING Massachusetts Institute of Technology

Applicants are sought for a junior-level, tenure-track faculty position in the Department of Chemical Engineering at the Massachusetts Institute of Technology. Applicants should have a Ph.D. in chemical engineering or a closely related field, should have demonstrated excellence in academic research, and should have a strong interest in teaching graduate and undergraduate chemical engineering students. Send résumé including the names of at least three references, graduate transcripts, and a description of research interests to: **Dr. Robert C. Armstrong, Head, Department of Chemical Engineering, Massachusetts Institute of Technology, 66-350, Cambridge, MA 02139-4307.** Material should be received by January 15, 2001. *MIT is an Equal Opportunity/Affirmative Action Employer.*

PLANT SYSTEMATICS

The Department of Ecology, Evolution, and Natural Resources and of Plant Sciences at Cook College of Rutgers, The State University, are searching for a tenure-track **ASSISTANT PROFESSOR** beginning September 2001. The successful candidate is expected to establish a vigorous, externally funded research program in the field of plant systematics and evolution. Undergraduate teaching responsibilities will include a course in plant taxonomy and a course in the candidate's own specialty or participation in courses such as introduction to biology or general evolution. The candidate will also be involved in both graduate programs. The candidate should possess a Ph.D. in plant systematics with significant research experience. Experience in fieldwork and molecular techniques is desirable. We encourage collaborative research; our group in plant ecology and the molecular systematics of nonplant taxa is very active.

Send a letter of research and teaching interests; curriculum vitae; transcripts; and three letters of reference by January 1, 2001, to: **Chair, Search Committee, Department of Ecology, Evolution, and Natural Resources, 14 College Farm Road, Cook Campus, Rutgers University, New Brunswick, NJ 08901-8551.** Department descriptions can be found at: [website: http://www.rci.rutgers.edu/~deenr/](http://www.rci.rutgers.edu/~deenr/) and <http://aesop.rutgers.edu/www/departments/plantsci.html>. *Rutgers, The State University, is an Equal Opportunity/Affirmative Action Employer. We would particularly welcome applications from women and minority applicants.*

RESEARCH CHEMIST POSITION UNIVERSITY OF CALIFORNIA, BERKELEY

The College of Chemistry NMR facility seeks qualified NMR Research Chemist (\$53,600 to \$56,500 salary commensurate with qualifications and experience). Primary responsibilities: train, assist, and advise researchers in use of NMR equipment; consult and do collaborative research with users on experimental design and data interpretation; develop and document methods; write equipment grant proposals for facility; maintain user profiles along with laboratory and chemical safety. Required qualifications: Ph.D. with more than two years of experience in NMR, excellent written and oral communication, demonstrated experience with the application of modern multidimensional and heteronuclear methods to solve chemical problems, and proficiency with UNIX operating systems including basic system administration. Submit names of three references with curriculum vitae and list of publications to: **Professor Julie A. Leary, College of Chemistry, University of California, Berkeley, CA 94720** by January 20, 2001. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

UNIVERSITY AT ALBANY State University of New York

The University at Albany Computer Science Department is seeking applicants working in the broad areas of experimental computer science for a tenure-track **ASSISTANT PROFESSOR** position beginning September 2001. We are particularly interested in candidates in bioinformatics, genomics, and related fields. In these areas, the position is offered in cooperation with the Department of Biological Sciences and Center for Comparative Functional Genomics. We also actively seek candidates with backgrounds in computing applications and systems, especially the following: computational science, databases, distributed and mobile computing, knowledge and data discovery, natural language information processing, and networks and parallel computing. Applicants must have a Ph.D. in computer science, computational biology, or a related discipline.

The Department offers B.S., M.S., and Ph.D. degrees. It has well-established research strengths in theory and formal methods including algorithms, data structures, automated reasoning, software design, and computational complexity. It has expanded into experimental computer science and computational science, with five hires in these areas since 1994. A majority of the faculty is engaged in interdisciplinary research. Several members are associated with the Department of Biological Sciences and/or the Center for Comparative Functional Genomics. Additional information may be found on our [website: http://www.cs.albany.edu/search](http://www.cs.albany.edu/search).

Applicants should submit curriculum vitae, copies of up to three publications, the names and contact information for three references, and statements of research and teaching philosophies to: **Chair, Faculty Search Committee, Computer Science Department LI-67A, University at Albany, 1400 Washington Avenue, Albany, NY 12222.** E-mail: search@cs.albany.edu. Position pending final budget approval.

The University at Albany is an Equal Opportunity/Affirmative Action/Immigration Reform and Control Act/Americans With Disabilities Act Employer.

ASSISTANT/ASSOCIATE PROFESSOR MOLECULAR MICROBIOLOGY

The Department of Biology in the College of Arts and Sciences at Virginia Tech invites applications for two tenure-track positions. Applicants should demonstrate a strong background in the application of molecular techniques to the study of the physiology of prokaryotic microorganisms. One position will be filled by a person with research and teaching interests in the area of bacterial pathogenesis. Application details and a complete position description can be found at [website: http://www.biol.vt.edu/microjobs.htm](http://www.biol.vt.edu/microjobs.htm) or by contacting **Dr. Allan Yousten.** Applications are due by January 15, 2001. *The College of Arts and Sciences is deeply committed to recruiting, selecting, promoting, and retaining women, persons of color, and persons with disabilities. We strongly value diversity in the college community and seek to assure Equality in Education and Employment. Individuals with disabilities desiring accommodations in the application process should notify: Dr. A. Yousten, Biology Department; e-mail: yousten@vt.edu; Telephone: 540-231-5909 by the application deadline.*

CHAIRPERSON ELECTRICAL AND COMPUTER ENGINEERING University of Maryland, College Park

Applications are invited for the position of **PROFESSOR AND CHAIR**, Department of Electrical and Computer Engineering. Candidates should have an earned Doctorate, leadership ability, and proven research record. Applications should include curriculum vitae and names of five references. Applications to: **Professor G. Baecher, 1173 Martin Hall, University of Maryland, College Park, MD 20742.** *The University is an Equal Opportunity/Affirmative Action Employer.*



MAYO CLINIC

Molecular Immunology

NIH supported postdoctoral positions available to study mechanisms of T-cell homeostasis in autoimmune diseases.

Candidates should have a Ph.D. or M.D. and have experience in cellular immunology and molecular biology. Depending on experience and record of scientific productivity, appointment as research associate possible.

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

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

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



Pintex Pharmaceuticals is an early stage, privately held life science company focused on the development of new cancer diagnostic and therapeutic targets.

Protein Crystallographer

We are looking for a highly motivated individual with a strong background in protein crystallography. Candidates should have excellent technical experience in data collection, and data analysis/refinement. Solid experience in molecular modeling would be an asset.

Primary responsibilities include data collection using outside facilities, laboratory setup and selection of software, data collection and refinement of a large number of crystals of proteins/small molecule complexes.

Pintex offers an attractive benefits and compensation package.

Please mail your CV along with three references to:

Pintex Pharmaceuticals, Inc.
86 Rosedale Road, P.O. Box 189
Watertown, MA 02472

or email:

humanresources@pintexpharm.com

No phone calls please

Equal Opportunity Employer



National Exposure Research Laboratory Post-Doctoral Program Ecology and Molecular Biology Positions

The National Exposure Research Laboratory (NERL) of the United States Environmental Protection Agency is seeking candidates to fill several **federal, four-year post-doctoral research positions in molecular biology and ecology**. NERL conducts research and development related to the exposure of ecosystems to a wide range of stressors. Among NERL's current priorities are indicators of ecological conditions and analysis of the causes of those conditions in aquatic ecosystems. Post-doctoral researchers are sought to use measurements at the **molecular level** (stressor induced changes in gene expression, population genetics, DNA microarray technology), **organismal level** (biochemical alterations, pathology), **community level** (large river, stream and wetland invertebrates, fish and algae) or **landscape level** (watershed classification of natural factors, remote sensing). NERL also field-tests, evaluates, and demonstrates the applications of these findings to environmental problems of national importance to EPA's regulatory and regional offices, other federal agencies, and state, local, and tribal governments.

Because of the broad range of NERL's research mission, we are seeking candidates from a wide range of disciplinary backgrounds, including environmental science, chemistry, biochemistry, biology, genetics, geography, agricultural sciences, molecular biology, ecology, applied mathematics and statistics. The preferred candidate will have earned a Ph.D. in one of these or a related area within the last five years or will have it awarded not later than June 30, 2001.

The NERL post-doctoral positions will be located in a Division in Cincinnati, Ohio, and will be filled beginning **February, 2001**. Successful applicants will begin work before September, 2001. These excepted service appointments will last for four years and offer a salary range of **\$42,908 - \$66,851**, commensurate with qualifications. The selected candidates will be eligible for a **full benefits package**, including relocation expenses, health insurance, life insurance, retirement, and vacation and sick leave benefits. **Applicants must be United States citizens or permanent residents. Only in absence of qualified U.S. citizens will permanent residents who are citizens of countries specified as exceptions to the appropriations act ban on paying non-U.S. citizens be considered.** Further information on Federal employment of non-citizens is available at <http://www.opm.gov/employ/html/citizen.htm>.

The filing deadline for these post-doctoral positions is **January 31, 2001**. If you are interested, please send the following to Ms. Dorothy Carr, U.S. Environmental Protection Agency, Human Resources Management Division (MD-29), Research Triangle Park, NC 27711, Attn: NERL/Ecology Post-Doctoral Program: **a curriculum vitae, a letter of recommendation from your senior research advisor or other comparable official, and a letter indicating your research focus, desired position(s) you prefer** (see NERL Internet site below for specific positions), **country of citizenship, and citizenship status** (citizen or permanent resident). If you are claiming veterans' preference, please include your **DD-214** with your application package.

If you send your application via express mail, address it to Ms. Dorothy Carr, U.S. Environmental Protection Agency, Human Resources Management Division (MD-29), 4201 Building, Suite 105, 79 Alexander Drive, Research Triangle Park, NC 27709, Attn: NERL/Ecology Post-Doctoral Program. You may also submit your application via facsimile (fax) machine to (919) 541-2186; however, applications faxed from a U.S. government fax machine will not be accepted. Applications sent electronically via the Internet or mailed in U.S. government postage-paid envelopes will also **not** receive consideration. Your application materials must be received in the Human Resources Office or postmarked by **January 31, 2001**. Questions may be directed to Ms. Carr at (800) 433-9633. After all responses are reviewed, candidates will receive written notice of the status of their applications no later than **March 31, 2001**.

For specific job information on the NERL/Ecology Post-Doctoral program, you may access the National Exposure Research Laboratory's Internet site at www.epa.gov/nerl.

The U.S. EPA is an Equal Opportunity Employer.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION BIOCHEMISTRY AND MOLECULAR BIOLOGY The Feist-Weiller Cancer Center

Applications are invited for a faculty position at the rank of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR**. Applicants should have a Doctoral degree, postdoctoral research experience in molecular approaches to cancer biology, and a commitment to excellence in both teaching and research. Faculty members are expected to develop strong, extramurally funded research programs and teach both medical and graduate students. The Department and the Cancer Center will assist with technical support and start-up funds. Special consideration will be given to individuals with research interests that complement those of current Cancer Center faculty in the Department, which include mechanisms of tumorigenesis, cell proliferation and transformation, hematopoietic differentiation, and the genetic basis of angiogenesis and metastasis in prostate cancer. A strong clinical research unit in the Cancer Center facilitates translational research. Other Departmental faculty study eukaryotic genetics (yeast, *C. elegans*), transcriptional regulation, chromatin structure, protein synthesis and cell growth control, protein degradation by ubiquitinylation, protein and biophysical chemistry, signal transduction via kinases and phosphatases, nutrition and free radicals, and glucose transport. More information can be found on the Department of Biochemistry and Molecular Biology website: <http://gradsch.shreveport.lsuhsu.edu>. Review of applicants will begin in January 2001. Send curriculum vitae, a brief statement of current and future research interests, and the names of three references to:

Robert E. Rhoads, Ph.D. Professor and Head
Department of Biochemistry and
Molecular Biology
Louisiana State University Health Sciences Center
1501 Kings Highway
Shreveport, LA 71130-3932

LSUHSU is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION CARDIOVASCULAR PATHOPHYSIOLOGY

The University of Alabama at Birmingham invites applications for a tenure-track or tenured faculty position in the Department of Pathology, Division of Molecular and Cellular Pathology. The minimum requirements are that the candidate hold a Ph.D., M.D., or M.D./Ph.D. degree and have completed postdoctoral training. This is a full-time basic science position with no clinical duties, although a modest amount of teaching and ample graduate student training opportunities will be a part of the job description. Rank (**ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, or PROFESSOR**) will be determined by experience. Salary and benefits are very competitive with an excellent start-up/space package. The successful candidate will have a strong interest in the cellular/molecular basis of cardiac myocyte, vascular smooth muscle, or endothelial cell pathophysiology. Interest in gene expression and signal transduction in cardiovascular cells is considered a plus. The candidate will join a growing group of basic and clinical investigators in the cardiovascular research enterprise at UAB. The UAB Medical Center ranks among the top 20 in NIH funding, while state-of-the-art facilities for mass spectrometry and proteomics, gene expression profiling, macromolecular crystallography, and genetic models of disease are some of the benefits enjoyed by the faculty. Training grants include an NIH-funded predoctoral cardiovascular pathophysiology grant and a Cardiology Fellowship program. Interested candidates should submit a letter of interest together with comprehensive curriculum vitae that outlines research interests to: **Thomas M. Lincoln, Ph.D., Vice Chair for Research, the Department of Pathology, University of Alabama at Birmingham, 1670 University Boulevard, Birmingham, AL 35294-0019.**

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION MOUSE NEUROGENETICIST Case Western Reserve University

The Department of Neurosciences at Case Western Reserve University School of Medicine invites applications for a tenure-track faculty position to be filled at the **ASSISTANT or ASSOCIATE PROFESSOR** level. We seek an outstanding individual who is using molecular genetic and transgenic approaches in mice to address significant questions in neuroscience. Generous start-up funds, in part from a grant from the Ohio Board of Regents, are available. The Department is housed in contiguous, newly renovated space and provides state-of-the-art facilities and ample opportunity for interaction with the 16 primary neuroscience faculty as well as with secondary faculty in adjacent departments including Genetics, Biochemistry, Molecular Biology and Microbiology, Physiology and Biophysics, and Pharmacology. Candidates should possess a Ph.D. degree and have several years of postdoctoral experience. They will be expected to develop a successful, outside funded research program and participate in medical and/or graduate student teaching. Evaluation of applications will begin on January 15, 2001.

Please submit curriculum vitae, a summary of research interests, and the names of three references to:

Dr. Lynn Landmesser, Chair
Department of Neurosciences
Case Western Reserve University
School of Medicine
10900 Euclid Avenue
Cleveland, OH 44106-4975

Case Western Reserve is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS ASSISTANT PROFESSOR Department of Cancer Biology Vanderbilt University School of Medicine

The Department of Cancer Biology at the Vanderbilt University School of Medicine announces the availability of tenure-track faculty positions at the Assistant Professor level. The successful candidates' research will interface with scientific programs within the Department focusing on tumor/host interactions including cell adhesion and motility, angiogenesis, matrix interactions, and signaling.

Qualifications include a Ph.D. or M.D./Ph.D. and a demonstrated track record of excellence in research. New faculty will be expected to maintain an independent, externally funded research program. Curriculum vitae, description of research interests, and names of three individuals who can provide letters of reference are required. Providing copies of recently published papers is strongly encouraged. Application materials should be submitted by January 2, 2001.

Lynn Matrisian, Ph.D.
Department of Cancer Biology
1161 21st Avenue, South/C2310 MCN
Nashville, TN 37232-2175
FAX: 615-343-4539

Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Department of Biology at Marquette University has a tenure-track position available August 16, 2001, for a Ph.D. with outstanding postdoctoral experience. Preference will be given to candidates whose research strengthens departmental programs in the areas of protein biochemistry, cell and development, or microbiology. The successful candidate is expected to develop a vigorous, extramurally funded research program and to teach a one-semester undergraduate course in immunology annually and a graduate course or seminar each year. Send curriculum vitae, statement of research interests, and three letters of recommendation to: **Dr. Brian Unsworth, Chair, Department of Biology, WLS 112A, P.O. Box 1881, Milwaukee, WI 53201-1881. Website: <http://biology.marquette.edu>.**

POSITIONS OPEN

ASSISTANT PROFESSOR, BIOLOGY THE CITADEL The Military College of South Carolina

ANATOMIST/MICROBIOLOGIST: The Department of Biology at The Citadel invites applications for a tenure-track position at the Assistant Professor level. Candidates should possess a Ph.D. in biological discipline and be committed to teaching and research. The Citadel is a nationally recognized comprehensive college with a military format. The Department of Biology consists of nine permanent faculty and offers a Core Curriculum science sequence for most of the approximately 625 entering freshman and provides a strong program for approximately 100 majors and 20 graduate students working toward an M.A. Ed. and M.A.T. degree. Primary teaching responsibilities will depend on the qualifications of the candidate but will include either upper-level human and comparative anatomy courses or upper-division microbiology courses and participation in the Department's introductory biology courses. A research program suitable for undergraduates is desired, and some internal support funds are available. To assure full consideration, applicants should submit a letter of application, résumé, and the names and telephone numbers of three references to The Citadel's Office of Human Resources. The position will remain open until filled, but application review will begin on 29 January 2001.

Apply: Send applications and materials to: **Department of Human Resources, The Citadel, 171 Moultrie Street, Charleston, SC 29409. FAX: 843-953-5228.** Please reference Job Number F00-44. You may also submit application and materials online at website: <http://hrweb.citadel.edu/jobs.cfm>. An Affirmative Action/Equal Employment Opportunity Employer dedicated to multicultural diversity in campus leadership positions.

TENURE-TRACK FACULTY POSITIONS Department of Bioengineering The University of Utah

Applications are invited for two junior-level tenure-track positions in the areas of biointeractive materials. Candidates must have an earned Doctorate and a strong physical science and engineering background with a special biological direction to their research. We are seeking candidates with demonstrated expertise in one of the following three areas: (1) engineering of tissue scaffolding, (2) engineering of structural biomaterials, or (3) engineering of functional structures and devices.

Appointees will be expected to develop significant research programs and teach appropriate undergraduate and graduate courses. See website: www.bioen.utah.edu for further information.

Complete curriculum vitae, names of three references, and a brief career goals/objectives statement should be sent to: **Dr. V. Hlady, Search Committee Chair, Department of Bioengineering, 50 South Central Campus Drive, Room 2480, Salt Lake City, UT 84112-9202.** The current application review will continue until qualified candidates are selected.

The University of Utah, an Affirmative Action/Equal Opportunity Employer, encourages applications from women and minorities and provides reasonable accommodation to the known disabilities of applicants and employees.

Florida Museum of Natural History invites applicants for a 12-month, tenure-track **CURATORIAL POSITION** in environmental archaeology expected to begin 1 July 2001. Primary responsibilities are curating the environmental archaeology collections and conducting research in zooarchaeology; see website: www.flmnh.ufl.edu/anthro/envarch/. A Ph.D. and collection experience are required. Send letter of application; curriculum vitae; copies of two major publications; and names, addresses, e-mail addresses, and telephone numbers of three references to: **Environmental Archaeology Search Committee, Florida Museum of Natural History, P.O. Box 117800, Gainesville, FL 32611.** Deadline for applications is 15 February 2001.

**POSTDOCTORAL POSITIONS
AVAILABLE IN THE
LABORATORY OF ALLERGIC DISEASES NIAID/NIH**

The first two positions (Andrea M. Keane-Myers, Ph.D., email: akeane@niaid.nih.gov) will involve using mouse models of allergic disease with an emphasis on developing a basic understanding of in vivo mechanisms of allergic inflammation/asthma. One project will utilize cellular immunology techniques to perform functional analysis of in vivo and in vitro responses to allergens in transgenic/knockout mice. A second project will utilize molecular approaches (including real-time PCR and DNA chip analysis) to study gene expression in lymphocytes during allergic inflammation. For these positions we are looking for motivated individuals with a Ph.D. in immunology or molecular/cell biology who preferably has interest in inflammation and cytokine/chemokine expression.

The third and fourth projects will utilize techniques of cellular and molecular biology to delineate the roles of specific FcεRI-mediated (Alasdair M. Gilfillan, Ph.D., email: agilfillan@niaid.nih.gov) and FcγRI-mediated (Dean D. Metcalfe, M.D., email: dean_metcalf@nih.gov) tyrosine kinase and tyrosine phosphatase dependent signaling pathways in human mast cells. For these positions we are looking for motivated individuals with an M.D., Ph.D., or M.D./Ph.D. in molecular biology, protein biochemistry, cell biology, or related fields. Qualified and interested candidates should send a copy of their curriculum vitae, and contact details including phone numbers and email addresses of three references to: **Post-doctoral search committee, c/o Ms. Marjorie Lewis, NIH/NIAID/LAD, Bldg. 10, Room 11C205, 10 Center Drive- MSC 1881, Bethesda, MD 20892 - 1881.** Please indicate on the cover letter the name of the PI of the project of interest. Salary will be determined according to experience and education. Applications will be accepted until January 31, 2001.

NIH is an Equal Opportunity Employer.

Director, Translational Research

Office of the Clinical Director - Intramural Research Program
National Institute of Arthritis and
Musculoskeletal and Skin Diseases
National Institutes of Health

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) of the National Institutes of Health (NIH) is seeking an exceptional scientist to serve as the Director of Translational Research within the Office of the Clinical Director, Intramural Research Program (IRP) of NIAMS, NIH. The Director of Translational Research will develop translational research initiatives throughout the IRP of NIAMS. We are interested in outstanding physician scientists with a substantial record of having developed and completed protocols to carry out translational research initiatives including interventional and observational trials. The successful candidate will serve as both a clinician and tenured researcher with the resources for additional funded positions.

Candidates must have an M.D. degree. Salary and resources will be commensurate with the qualifications and experience of the candidate.

Applicants should submit curriculum vitae, bibliography, statement of research interests, and the names of three references to:

Dr. Peter Lipsky
c/o Scott Sigley, NIAMS, HRMB
Building 31, Room 4C13
31 Center Drive, MSC 2350
Bethesda, MD 20892-2350
or E-mail ss403p@nih.gov



Applications must be postmarked by 01/05/2001

NIH is an Equal Opportunity Employer



**Bioinformatics and Computational Biology
The University of Michigan**

The University of Michigan is seeking applications from outstanding candidates for faculty positions in our new Bioinformatics Program. We interpret the field of bioinformatics broadly to include microarray expression technologies, automated analysis of sequence data, molecular modeling, large-scale systemic modeling, and management of evolving biological databases.

Michigan's Investments in the Life Sciences - This recruitment is part of a major expansion of bioinformatics in the Medical School and of an interdisciplinary Bioinformatics Program at the University level. The Program, which has \$10 million in start-up funds, an initial allotment of 5,000 sq. ft. of dedicated, contiguous space, and long-term institutional support, draws upon a broad base of established strength at Michigan in both the biomedical and computational sciences. The Bioinformatics Program also will benefit from and contribute to two important developments at Michigan. As part of a \$200 million Life Sciences Initiative, the University of Michigan is expanding faculty, buildings and infrastructure in the life sciences. As part of the Life Sciences Research Corridor Initiative, the State of Michigan is investing substantial resources in a new program that will benefit the universities, industries and research foundations within Michigan. Bioinformatics will be a major component in each of these initiatives.

Professor and Director of the Bioinformatics Program - This position will be filled by an outstanding senior investigator with an internationally recognized research program and demonstrated leadership in bioinformatics or computational biology. Pfizer (formerly the Parke-Davis Pharmaceutical Division of Warner-Lambert Company in Ann Arbor) has provided generous support for this position. Departmental affiliation(s) will be determined by the successful candidate and the participating departments. Major responsibilities include (1) recruiting junior tenure-track faculty members, (2) guiding and developing the Program's research and curriculum, (3) awarding pilot research grants to stimulate collaborations, and (4) developing interactions within the University of Michigan and with other universities, government agencies, foundations, and industrial partners.

Assistant or Associate Professor Positions - Four tenure-track positions in bioinformatics or computational biology are available, based in the Medical School. Appointments will be made in departments providing the best academic match for each individual faculty member, and joint appointments elsewhere in the University are encouraged. The successful candidates will be expected to develop a vigorous externally funded research program and to participate in the teaching of the bioinformatics core courses. It is anticipated that additional positions will become available as part of recruitments in the College of Engineering, School of Public Health, and College of Science, Literature and the Arts. These faculty will also become part of the interdisciplinary Bioinformatics Program.

Applicants should send a current *curriculum vitae*, bibliography, and brief summary of future research plans to: **Bioinformatics Search Committee, 5622 Medical Science Building II, University of Michigan Medical School, Ann Arbor, Michigan 48109-0621.** In addition, please provide the names and addresses of three references, and arrange to have their letters sent to the Search Committee. Review of applications will begin on January 15, 2001 and continue until the positions are filled.

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

POSITIONS OPEN

MARINE MICROBIOLOGIST

The Department of Coastal Sciences, Institute of Marine Sciences, The University of Southern Mississippi invites Marine Microbiologists to apply for a tenure-track position (nine-month appointment) at the **ASSISTANT or ASSOCIATE PROFESSOR** level beginning fall 2001.

Scientists with a molecular approach to research on a marine microbial system, prokaryotic, eukaryotic, or viral and in any subdiscipline (but especially those fitting within the fields of marine pathology or marine microbial ecology) are encouraged to apply. Ph.D. in microbiology or related field required. Postdoctoral experience will be given preference.

The successful candidate will be expected to develop and maintain a nationally recognized, externally funded research program; to direct Master's and Doctoral students; and to participate in graduate instruction. Ability to collaborate within a multidisciplinary setting desired. The incumbent will assume responsibility for a microbiology laboratory that implements two ongoing state-funded service programs: the Mississippi Shellfish Sanitation Program and the Beach Monitoring Program.

The Department of Coastal Sciences ([website: http://www.ims.usm.edu/coa/](http://www.ims.usm.edu/coa/)) is located at the Gulf Coast Research Laboratory in Ocean Springs, Mississippi. Coastal Sciences is a research-oriented department with academic emphasis on graduate studies leading to the Doctor of Philosophy and Master of Science degrees. The Department offers an undergraduate degree in marine biology jointly with the Department of Biological Sciences and administers the Gulf Coast Research Laboratory Summer Field Program, which offers courses in marine and coastal sciences to students from across the country.

Please send a letter describing research interests along with current curriculum vitae, reprints (up to four), and the names and addresses of three references to: **Jeffrey M. Lotz, Department of Coastal Sciences, The University of Southern Mississippi, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39566-7000. Telephone: 228-872-4247; FAX: 228-872-4204; e-mail: Jeff.Lotz@usm.edu.** Review of applications will begin 15 January 2001 and continue until the position is filled. *Affirmative Action/Equal Opportunity Employer/Americans With Disabilities Act Institution.*

ASSOCIATE PROFESSOR BIOLOGY Illinois College

Illinois College seeks to appoint a full-time, tenure-track Associate Professor of biology. The Ph.D. field should be genetics or molecular biology. The strongest candidates will have six or more years of full-time teaching experience at the college level. Preference for candidates conversant in zoology. Other desirable attributes include a record of effective cooperation with other laboratory sciences, the capacity for leadership in curriculum development, and an active research program that can involve undergraduate students. The compensation package will include a competitive salary and institutional support for research.

Illinois College is a Phi Beta Kappa liberal arts college enrolling 900 students, related to the Presbyterian and UCC churches. A new science center for biology, chemistry, physics, and mathematics is under construction and scheduled for completion in December 2001. Key design features include research laboratories for students and faculty and an interdisciplinary learning center. Jacksonville is a community of 20,000 located 30 miles from Springfield, Illinois, and 90 miles from St. Louis, Missouri.

Interested persons should send a letter; curriculum vitae; and names, addresses, and telephone numbers of three references to: **Dr. Frederik Ohles, Search Committee Chair, c/o Office of Academic and Student Affairs, Illinois College, 1101 West College Avenue, Jacksonville, IL 62650-2299. E-mail: vpaa@hilltop.ic.edu.** Review of applications will begin in January. The possibility is reserved of appointment at a different rank. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

BIOLOGY: ASSISTANT OR ASSOCIATE PROFESSOR, College of Liberal Arts and Sciences, Alfred University. The Division of Biology seeks to fill a tenure-track position in integrative cell biology beginning fall semester 2001. Candidates with a Ph.D. and a strong commitment to teaching and research in an interdisciplinary setting are encouraged to apply. Primary teaching responsibilities will expand the course offerings of both the Division of Biology and the Biomedical Materials Engineering Science Master's program in the School of Ceramic Engineering and Materials Science. Research expertise should lend itself to interdisciplinary collaborations focused on cell surface-mediated phenomena and characterization of the interphase between living systems and engineered materials. Prior teaching experience is preferred, and the successful candidate must have demonstrated capabilities to develop an extramurally funded research program involving undergraduate and graduate students. Send letter of application, curriculum vitae, three letters of reference, and statements of teaching philosophy and research interests (including relevant reprints) to: **Dr. Bradley Bowden, Chair, Integrative Biology Search, Division of Biology, Alfred University, Alfred, NY 14802. Telephone: 607-871-2205; FAX: 607-871-2359; e-mail: fbowden@alfred.edu; websites: bio.alfred.edu and www.bmes.alfred.edu.** Formal review of applications will begin on January 3, 2001, and continue until the position is filled. *Affirmative Action/Equal Opportunity.*

PH.D. RESEARCHER POSITION

ANESTHESIOLOGY RESEARCH. The University of California, Irvine, will be recruiting during the months of November 15, 2000, to January 15, 2001, for an **ASSISTANT PROFESSOR**, tenure track. Requirements include Ph.D. or M.D. with significant research training or experience. Molecular biology experience is an asset. Opportunities for experimental and clinical research and collaborations with the basic sciences, including biomedical engineering. Present departmental research areas include gas kinetics in anesthesia during nonsteady state (NIH-funded program, HL-42637, systems to cellular physiology) and the study of mechanisms of anesthesia and memory (includes PET and MRI imaging technologies). Duties will include teaching of residents and medical students. Apply to: **Peter H. Breen, M.D., FRCP, Vice Chair and Director of Academic Affairs, Search Committee Chair, Department of Anesthesiology, UCI Medical Center, 101 The City Drive South, Orange, CA 92668. FAX: 714-456-7702.** *UCI is an Equal Opportunity Employer committed to excellence through diversity.*

TENURE-TRACK FACULTY POSITIONS Plant Ecologist and Plant Systematist/ Ecological Geneticist

The Department of Biology, University of Puerto Rico, Río Piedras, seeks a **PLANT ECOLOGIST** with expertise in one or more of the following areas: ecophysiology, population, community or ecosystem processes and a **PLANT SYSTEMATIST** or **PLANT ECOLOGICAL GENETICIST** with expertise in molecular techniques. Responsibilities include the establishment of an active research laboratory that will attract extramural funding, supervising M.S. and Ph.D. research, and teaching graduate and undergraduate courses. Candidates must hold a Ph.D. and have postdoctoral research experience. Interested candidates should send curriculum vitae, a statement of research interests, representative publications, and three letters of reference before January 31, 2001, to: **Dr. Alberto M. Sabat, Chairman, Department of Biology, P.O. Box 23360, San Juan, PR 00931-3360. E-mail: asabat@upr.edu.** *University of Puerto Rico is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR ANIMAL PHYSIOLOGY

The Department of Animal Science at Iowa State University is seeking an Assistant Professor (65% research, 35% instruction) in animal physiology. The incumbent is expected to establish a vigorous, extramurally funded research program in animal physiology that may focus on the physiology of reproduction, digestion, lactation, or other areas that aim to improve efficiency of livestock production. Leadership in training predoctoral and postdoctoral students is also expected. Teaching responsibilities include undergraduate and graduate courses in animal physiology. The successful applicant must have depth of training in integrative mammalian physiology with animal or cellular models to compete effectively for extramural funding. Teaching and postdoctoral research experience is preferred. Candidates are expected to demonstrate effective communication skills and willingness to work collaboratively. Please submit a complete résumé including education, professional experience, and a list of publications; graduate and undergraduate transcripts; and letters of recommendation from at least five individuals to: **Dr. Dennis Marple, Head, Department of Animal Science, 1221 Kildee Hall, Iowa State University, Ames, IA 50011-3150.** Application deadline is January 1, 2001, or until the position is filled. *Iowa State University is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR BIOLOGY

Concordia University's Department of Biology invites applications for a tenure-track position in the area of cell biology or molecular genetics. The successful candidate will be expected to teach undergraduate courses, supervise graduate students, and develop an externally funded research program. He/she will join a complement of a dozen faculty members with research interests in molecular biology and biochemistry and will have access to the resources of the Concordia Center for Structural and Functional Genomics.

Interested applicants should forward curriculum vitae, a list of publications, and the names of three references to: **Dr. Claire Cupples, Chair, Department of Biology, Concordia University, 1455 de Maisonneuve Boulevard West, Suite H-1260, Montreal, Quebec H3G 1M8 Canada.** Hiring is subject to budgetary approval. Review of applications will begin on January 29, 2001, and continue until the position is filled.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. However, all applicants are welcome to apply. Concordia University is committed to Employment Equity and encourages applications from women, aboriginal peoples, visible minorities, and disabled persons.

ASSISTANT PROFESSOR. Terrestrial Vertebrate Ecologist; tenure track starting August 2001. Qualifications: Ph.D. in wildlife ecology, landscape ecology, or related field; record of publications and grants; and excellent teaching skills. Responsible for teaching mammalogy, GIS, and courses within specialty. An active research program, directing graduate research, and student advisement are expected. Submit application describing research interests and teaching philosophy, curriculum vitae, three reprints, transcripts, and contact information for five references to: **Chair of Ecologist Search Committee, Department of Biological Science, Arkansas State University, State University, AR 72467. Website: www.astate.edu/docs/acad/academics/jobs.htm.** Review of applications begins 15 January 2001. *Affirmative Action Employer.*

Ph.D.s

The University of St. Eustatius School of Medicine has openings at the **ASSISTANT PROFESSOR** level to teach physiology to first-year medical students. Please submit curriculum vitae and references to: **C. Frank Chambers, M.D., Managing Director; e-mail: drchambers@eustatusmed.edu.**

ANNOUNCEMENTS

NIH INTER-INSTITUTE PILOT PROGRAM FOR THE DEVELOPMENT OF AIDS-RELATED THERAPEUTICS

The National Institute of Allergy and Infectious Diseases (NIAID) and National Cancer Institute (NCI) invite the submission of proposals to their new drug development program initiative. This pilot program is designed to help AIDS research investigators facilitate the preclinical development of: 1) therapies for the treatment of HIV disease, AIDS-associated malignancies, opportunistic infections and tuberculosis associated with AIDS, and 2) microbicide-based prevention strategies for HIV. The program does not fund grants. Instead, applications to the program are requests to NIAID and NCI to use their drug development resources to conduct specific tasks the applicants themselves are unable to carry out in their efforts to translate basic research findings to applied or clinical practice. Examples of tasks that may be requested include High Throughput Screen (HTS) assay development, evaluation in animal efficacy models, Good Manufacturing Practice (GMP) scale-up synthesis of small molecules and biologics, clinical dosage formulation and manufacturing, and Good Laboratory Practice (GLP) toxicology. Program proposals will be solicited twice a year and reviewed in a competitive manner.

The current deadline for receipt of applications is **January 15, 2001**; prior to that date (no later than **January 2**) a Letter of Interest must be submitted to the Inter-Institute Program Coordinator. Further information about this program, including detailed instructions for preparing proposals and the Letter of Interest, can be found at the pilot program web site at <http://dtp.nci.nih.gov/docs/dart.html>. Telephone inquiries can be made to the Inter-Institute Program Coordinator, James Drake, Developmental Therapeutics Program, NCI, Executive Plaza North Building, Suite 8000, 6130 Executive Boulevard, Rockville, MD 20852, T 301.496.8720; F 301.402.0831.

NCI is an Equal Opportunity Employer

SYMPOSIUMS

IOWA STATE UNIVERSITY

Plant Sciences Institute

Symposium on

POST-TRANSCRIPTIONAL CONTROL OF GENE EXPRESSION IN PLANTS

May 10-13, 2001
Ames, Iowa

Abstracts due:
May 9, 2001

Registration deadline:
April 10, 2001

Plant Sciences Institute Symposium
3208 Molecular Biology Building
Iowa State University
Ames, IA 50011-3260 U.S.A.
Phone: 515 294-7978
Fax: 515 294-2244

E-mail: pbmb@iastate.edu

Web: <http://molebio.iastate.edu/~gfst/phomepg.html>

PLENARY SPEAKERS

HERVÉ VAUCHERET
PETER WATERHOUSE
SHOU-WEI DING
VICKI VANCE
JOHN W.S. BROWN
WYDOL FILIPOWICZ
S.P. DINESH-KUMAR
THOMAS HOHN
KAREN BROWNING
W. ALLEN MILLER
DANIEL GALLIE
JULIA BAILEY-SERRES
DAVID OLIVER
STEPHEN MAYFIELD
VOLKER BRENDEL
PAMELA GREEN

Around the world, major pharmaceutical and biotechnology companies like Bristol-Myers Squibb, Genentech, Merck, and Pfizer turn to Aurora Biosciences to make the process for discovering new medicines smarter and faster than ever before. Behind every one of our solutions—which are based on innovative combinations of biology, chemistry, automation, software and high technologies—is a close-knit group of talented, knowledgeable professionals committed to improving human health. Add your considerable expertise, skills and insights to our team, and help us shape the future of medicine.

SCIENTIST(S), ION CHANNELS/TRANSPORTERS

The successful candidate will be involved in creating innovative high-throughput assays and new technology for ion channel/transporters drug discovery. Responsibilities will include cell-based assay development projects involving challenging drug targets. In addition, the selected candidate will co-develop technologies in a multi-disciplinary environment that will enable the discovery of new information about ion channel/compound interactions. Requires a PhD and expertise in at least 2 of the following areas: cell culture, molecular biology, ion transport biology, optical detection methods, molecular probes, biophysics, electrophysiology, automation and high-throughput screening. JOB #0062TG

GROUP LEADER, RECEPTORS

Capitalize on your extensive experience with cell-based assays and current molecular biology methods as you lead a group of scientists and technical staff in developing GPCR assays for partnered and internal projects. We will call on you to both expand Aurora's library of GPCR assays and develop technical improvements in our GPCR assay technology. You'll also communicate with partners and potential customers and provide documentation of workplans and project reports as needed. We require a PhD in Biomedical Sciences and 5+ years postdoctoral experience. Experience with orphan GPCR and in leading drug discovery projects in a pharmaceutical or biotechnology industry setting is preferred. Excellent communication skills and demonstrated team skills are critical. JOB #0086KB

SCREENING SCIENTIST

You will be responsible for adapting enzymatic and cell-based assays to Aurora's Ultra High Throughput Screening System (UHTSTM). Working with assay developers, automated instrumentation and the informatics team, you will develop robust methods for obtaining large quantities of data on the interaction of chemical libraries with biological targets. Requires a PhD in Biology, Biochemistry, Chemistry or related discipline and 1-3+ years of postdoctoral or industry experience. Excellent communication and teaming skills and a customer orientation are vital to success. JOB #0008AG

We also have a variety of positions in our Research Department. For more information on these opportunities and background on our company, visit our website at

www.aurorabiosciences.com

In addition to competitive salary and benefits, we offer equity participation via an ISO and Stock Purchase Program. Email your resume and letter, referencing JOB #, to hr@aurorabio.com. Or fax to (858) 404-6720. If unable to email or fax, please mail to Aurora Biosciences Corporation, Human Resources, 11010 Torreyana Rd., San Diego, CA 92121. EOE.

AuroraTM
Biosciences Corporation

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION MARINE CHEMISTRY

The University of Texas at Austin, Department of Marine Science, and Marine Science Institute invite applications for a Marine Chemist to hold a joint appointment as a tenure-track (ASSISTANT- or ASSOCIATE-level) PROFESSOR in the Department and as a RESEARCH SCIENTIST at the Institute, located on the Gulf Coast at Port Aransas. Marine Chemists with interests in estuarine and coastal environments as well as pelagic environments are encouraged to apply. Applicants with interests in all areas of marine chemistry and chemical oceanography will be considered. Candidates must have a Ph.D. degree at the time of appointment; postdoctoral experience is desirable. Preference will be given to candidates with a strong research and publication record. The successful candidate will be expected to develop an externally funded research program and to contribute to graduate and undergraduate education through course instruction and student advising. The position receives nine months of annual salary support from the state, and start-up funds (levels contingent upon state funding) will be available. For more information about the Institute, please see our website: www.utmsi.utexas.edu. Applicants should send a statement of research and teaching interests (three pages maximum), curriculum vitae, and the names and addresses of five references to: **Marine Chemistry Search Committee Chair, The University of Texas Marine Science Institute, 750 Channel View Drive, Port Aransas, TX 78373-5015**. Review of applications will begin on February 1, 2001, and will continue until the position is filled. *The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.*

VASCULAR BIOLOGIST: The University of Virginia, Department of Radiology, has an immediate opening for a full-time, tenure-track faculty position in vascular biology at the rank of ASSISTANT, ASSOCIATE, or FULL PROFESSOR. Research programs focus on tissue engineering for peripheral and neurovascular disorders including atherosclerosis and aneurysms. The candidate's experience must include establishing and running a basic research laboratory and working with clinician research colleagues. The selected candidate will demonstrate ability to collaborate with physicians, develop a graduate training component, and ultimately procure independent grant support. The Vice Chair for Research will provide general supervision, and work planning will relate through the Director of the Vascular Research Program. Opportunity exists to integrate research interests with basic science and other clinical departments. Qualified applicants should have a related Ph.D. and postdoctoral training. Salary will be commensurate with experience. This position will remain open until filled. Interested parties should submit a cover letter, curriculum vitae, and contact information for three references to: **Bruce Hillman, M.D., Chair of Radiology, Department of Radiology, Box 800170, Charlottesville, VA 22908**. Telephone: 804-982-0211; FAX: 804-924-8349; e-mail: bjh8a@virginia.edu. *The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

TENURE-TRACK FACULTY POSITION ENVIRONMENTAL MICROBIOLOGY

The Department of Biology, University of Puerto Rico, Río Piedras, invites applications for a tenure-track position in environmental microbiology. The candidate is expected to develop an active research program and to teach at the graduate and undergraduate levels. Candidates must hold a Ph.D. or equivalent and have postdoctoral experience. Interested candidates should send résumé; a statement of current and future research goals; representative publications; and three letters of reference before January 31, 2001, to: **Dr. Alberto M. Sabat, Chairman, Department of Biology, P.O. Box 23360, San Juan, PR 00931-3360**. E-mail: asabat@upracd.upr.clu.edu. *University of Puerto Rico is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN



TENURE-TRACK, GENETICS DEPARTMENT OF MEDICAL GENETICS FACULTY OF MEDICINE AND DENTISTRY

The Department of Medical Genetics invites applications from outstanding Scientists or Clinical Scientists investigating any aspect of molecular genetics of molecular biology of inherited disease in humans or relevant animal models for tenure-track positions. Studies of chromosomal structure, complex traits, cytogenetic mechanisms, and developmental pathways are among the areas of interest. Applicants must have a Ph.D. or Ph.D./M.D. with postdoctoral training and be able to establish a strong, independent research program. Appointments are expected primarily at the level of ASSISTANT or ASSOCIATE PROFESSOR in accordance with qualifications and experience of the candidates. This department in the Faculty of Medicine and Dentistry occupies new facilities, integrating basic research, clinical service, and diagnostic laboratories. Department information is available at website: <http://www.medgen.med.ualberta.ca>. The closing date for applications is March 1, 2001. Candidates are invited to submit a résumé, research plan, and names of three references to: **Diane W. Cox, Professor and Chair, Department of Medical Genetics, 839 Medical Sciences Building, Edmonton, Alberta T6G 2H7 Canada**. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Alberta is committed to the principle of Equity in Employment. As an employer, we welcome diversity in the workplace and encourage applications from all qualified individuals.

Westminster College (Salt Lake City, Utah) seeks applicants for the following faculty positions, pending budget approval, beginning fall semester 2001. **ASSISTANT PROFESSOR** in biology (organismal) to teach anatomy, embryology, principles of biology and an interdisciplinary liberal education course. Additional speciality in developmental biology preferred. Ph.D., college teaching experience, and ability to conduct research with undergraduates required. **ASSISTANT PROFESSOR** in geology to teach interdisciplinary courses in Earth systems science and the natural world. Ph.D. and successful college teaching experience required, as is strong background in physics, chemistry, or biology.

Letter of application, curriculum vitae, transcripts, and names and telephone numbers of five references should be sent to: **Mary Jane Chase, Dean, School of Arts and Sciences, Westminster College, 1840 South 1300 East, Salt Lake City, Utah 84105**. E-mail: mchase@wscsl.edu. *Westminster College is an Equal Opportunity Employer. All qualified applicants, regardless of race, color, national origin, sex, age, disability, or veteran status are encouraged to apply.*

Tenure-track faculty position. Experienced ASSISTANT or ENTRY-LEVEL ASSOCIATE PROFESSOR: state medical school M&I department. Research areas: molecular/genetic mechanisms of host-bacterial and viral pathogens, intracellular parasites, I.D. and cancer immunobiology, and immune regulation. A strong research environment. Light teaching and service load. Excellent research time. Experienced and well-funded faculty associates. Good facilities. Esprit de corps of department is excellent. Core biotechnical services available. Excellent BSL-2 and BSL-3 facilities for rodents and nonhuman primates. Negotiable, competitive salary/fringes and start-up/relocation funds. Applicants with proven grant procurement skills and active research grant(s) are invited to apply. Supply curriculum vitae, three reference names and addresses, and brief statement of research interests and career development plans to: **Joseph H. Coggin, Jr., Ph.D., Professor and Chair, M&I Department, University of South Alabama, College of Medicine, Mobile, AL 36688**. E-mail: jcoggin@jaguar1.usouthal.edu. *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

BIOLOGICAL OCEANOGRAPHER/ MODELER

The Department of Marine Sciences of the University of Georgia's School of Marine Programs seeks a tenure-track ASSISTANT PROFESSOR for fall 2001 specializing in the modeling of marine biological processes at any level from organismal through ecosystem. Specific areas of interest include but are not limited to coastal or estuarine processes and biological-physical interactions.

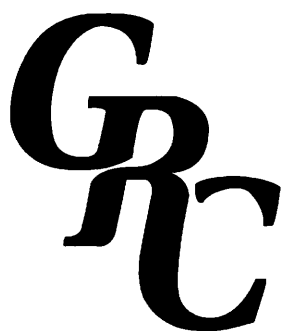
Current faculty conduct research on a wide range of biological, chemical, and physical processes in marine and freshwater environments and collaborate on large-scale studies at the land/sea interface. The successful candidate will be expected to develop an independent, funded research program and to participate in graduate and undergraduate instruction. The candidate will also be encouraged to collaborate with School of Marine Programs faculty in Athens and at the Marine Institute on Sapelo Island and the Marine Extension Service facilities in Brunswick, Georgia, and on Skidaway Island, Georgia. Applicants should send curriculum vitae, a brief statement of research and teaching interests, and names and addresses of three references to: **Chair, Search Committee, Department of Marine Sciences, Marine Sciences Building, University of Georgia, Athens, Georgia 30602-3636**. Inquiries may be addressed to: **Dr. Merryl Alber; e-mail: malber@arches.uga.edu**. Applications received by March 2, 2001, are assured full consideration. *The University of Georgia is an Equal Opportunity Employer.*

TAUB INSTITUTE COLUMBIA UNIVERSITY

RESEARCH POSITIONS: Immediate openings at Columbia University's Taub Institute for research on Alzheimer's disease and the aging brain. Research Scientists are sought to join basic and clinical research groups in the Taub Institute, an active research department dedicated to the study of aging and degeneration of the nervous system. Positions are available for the following: (1) **STAFF ASSOCIATE** to design and manage genetic and clinical databases and assist with analysis for a genetic epidemiology study of Alzheimer's disease and (2) **POSTDOCTORAL RESEARCH SCIENTISTS** and **POSTDOCTORAL RESEARCH FELLOWS** to join current research efforts focusing on cellular and molecular biology, genetic epidemiology, brain imaging, and neuroscience. Prior training in an appropriate field (e.g., genetics, epidemiology, or molecular biology) is desirable. Send curriculum vitae and the names and telephone numbers of three references to: **Carol R. Tycko, Administrative Director, Taub Institute, Columbia University, P and S Box 16, 630 West 168th Street, New York, NY 10032**. E-mail: taubinstitute@columbia.edu. *Columbia University is an Equal Opportunity/Affirmative Action Employer.*

HUMAN ANATOMIST AND PHYSIOLOGIST

Nine-month, tenure-track ASSISTANT PROFESSOR position at Southern Oregon University, Ashland, Oregon, beginning September 2001. Coordinate and teach a large introductory human anatomy and physiology course for allied health sciences, supervise dissection of human cadavers, conduct research involving undergraduates, and possibly teach introductory biology. M.D., D.O., or Ph.D. in a biological science with advanced training in human anatomy and physiology required. Experience teaching human anatomy and physiology at college level and involvement in a laboratory using human cadavers required. For application procedure or more information, see website: <http://www.sou.edu/biology/HAPprof.htm> or contact: **HAP Search, Biology Department, SOU, Ashland, OR 97520**. Telephone: 541-552-6341. Preference given to complete applications received before February 1, 2001. Position will remain open until filled. *SOU is an Affirmative Action/Equal Opportunity Employer committed to development of an inclusive, multicultural community.*



GORDON RESEARCH CONFERENCES

Conferences at the Frontiers of the Biological, Chemical and Physical Sciences

- For 2001 Winter and Spring GRC programs, see the October 6, 2000 issue of **SCIENCE**.
- For 2001 Summer and Fall GRC programs, see the February 16, 2001 issue of **SCIENCE**.

visit the *frontiers of science* at:

WWW.GRC.URI.EDU

Our web site contains the complete schedule of current and upcoming Conferences.
Apply directly from the web! Check it out now, Conferences fill up fast!

COURSES & TRAINING

MARINE BIOLOGICAL LABORATORY 2001 MICROBIOLOGY COURSES

MICROBIAL DIVERSITY

JUNE 10 - JULY 27

An intensive six-and-a-half-week course for graduate or postdoctoral students, as well as established investigators, who want to become competent in microbiological techniques for working with a broad range of microbes, and in approaches for recognizing both possible affinities of as yet uncultivated bacteria, and for understanding putative phylogenetic relationships. Limited to 20 students.

Directors: Caroline Harwood, University of Iowa; and Alfred Spormann, Stanford University.

Application Deadline: February 1, 2001 *Tuition:* \$3,900

MOLECULAR MYCOLOGY

CURRENT APPROACHES TO FUNGAL PATHOGENESIS

AUGUST 6 - AUGUST 24

This course provides state-of-the-art training in molecular methods for fungal pathogens important in human disease. The course is designed for advanced graduate students, postdocs, and independent investigators. Limited to 16 students.

Directors: J.E. Edwards, Harbor/UCLA Medical Center; P.T. Magee, University of Minnesota; and Aaron P. Mitchell, Columbia University.

Application Deadline: April 13, 2001 *Tuition:* \$2,100

VISIT <http://courses.mbl.edu> FOR MORE INFORMATION!
FINANCIAL ASSISTANCE IS AVAILABLE!

CONTACT INFORMATION

Carol Hamel, Admissions Coordinator
Marine Biological Laboratory
7 MBL Street / Woods Hole, MA 02543
508-289-7401 / admissions@mbi.edu



The MBL is an EEO/Affirmative Action Institution

GLOBAL OPPORTUNITIES



TENURE AND TENURE-TRACK POSITIONS ESTABLISHED AND ENTRY-LEVEL SCIENTISTS

**The Bruce Rappaport Faculty of Medicine
Technion-Israel Institute of Technology
Haifa, Israel**

Applications are invited for tenure and tenure-track positions for established leaders (full or associate professor) and for junior level (assistant professor) scientists in life sciences. We are particularly interested in scientists who employ modern molecular, cellular, and biophysical research tools to study genetics, cell biology, neurosciences, system physiology, pharmacology, immunology, bioinformatics, developmental biology and related areas. For entry-level positions, a Ph.D. and/or M.D. degree followed by successful post-doctoral training are required. Positions will be available starting October 2001. Applicants must have proven excellence in research, the ability to establish an independent research program, obtain extramural funds, and willingness to teach medical and graduate students.

Generous laboratory space, start-up funds and technical assistance will be available to successful candidates.

Applications, including curriculum vitae, list of publications, a one page summary describing future research plans, and four letters of recommendation sent directly from the referees, should arrive no later than February 15, sent to:

**Mrs. Abbie Rosner
Coordinator, Search Committee
Rappaport Faculty of Medicine
P.O. B. 9649**

Haifa, Israel 31096

E-mail: rosner@tx.technion.ac.il

POSITIONS OPEN

ASSISTANT PROFESSOR THE UNIVERSITY OF VERMONT SCHOOL OF NATURAL RESOURCES Quantitative Assessment of Environmental Impacts

Tenure-track, academic-year faculty position. Expertise in quantitative assessment of social and ecological environmental impacts. Ph.D., enthusiasm for undergraduate and graduate teaching and advising, record of scholarly accomplishment. Teach courses in GIS, spatial analysis, environmental problem solving, and impact assessment. Develop an active research program. Further information at [website: www.snr.uvm.edu/QA_search](http://www.snr.uvm.edu/QA_search). Inquiries and nominations should be sent to:

Quantitative Assessment Search Committee
c/o Murphy MacLean
320 Aiken Center

School of Natural Resources
The University of Vermont
Burlington, VT 05405-0088
Telephone: 802-656-4057

E-mail: search@nature.snr.uvm.edu

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

THE RICHARD STOCKTON COLLEGE OF NEW JERSEY

Seeks Dean of the Faculty of Natural Sciences and Mathematics. An innovative, residential, liberal arts and science college with a student body of 6,000 located on a 1600-acre wooded campus in southern New Jersey, 15 miles from the Atlantic Ocean, one hour from Philadelphia, and two-and-one-half hours from New York City, Stockton College has a national reputation for academic excellence and innovation. Qualifications include Ph.D. or equivalent and one of the disciplines within the Division; academic record that would merit appointment at the rank of **FULL PROFESSOR**; five years of academic administrative or equivalent experience; five years undergraduate classroom teaching experience and a strong commitment to excellence in teaching; an understanding of the role of scholarship and service in undergraduate liberal arts education; and an appreciation of the human, physical, and technological resources necessary to support natural sciences and mathematics. Position available July 1, 2001. Screening begins January 15, 2001, and continues until position is filled. For complete information, see [website: http://aquatic.stockton.edu/hr_jobs_ops/](http://aquatic.stockton.edu/hr_jobs_ops/). Affirmative Action/Equal Opportunity Employer. Women and minorities strongly encouraged to apply. R012557.

CHAIR, BIOLOGY DEPARTMENT. Texas Woman's University invites applications and nominations for Chair of the Department of Biology to begin fall semester 2001. Must have a Ph.D. with a specialization in molecular biology preferred and bring funded research to TWU. The Department currently has 14 faculty members, 300 undergraduate biology majors, 30 M.S., and 12 Ph.D. students in molecular biology. Faculty participate in an NIH-funded multi-ethnic biomedical research support (MBRS) program.

Send letter of application, curriculum vitae, research agenda, and names and contact information for five references to: **Dr. Joyce Williams, Chair, Biology Search Committee, P.O. Box 425887, Denton, TX 76204.** Screening of applications will begin January 15, 2001. *Texas Woman's University is an Equal Opportunity/Affirmative Action Institution.*

A **POSTDOCTORAL POSITION** is available immediately for candidates interested in studying the enzymatic mechanism of DNA and RNA helicases. The successful candidate should have a Ph.D. in biochemistry or related field. Experience in protein biochemistry and enzyme kinetics is preferred. The candidate will collaborate with Chemists and Crystallographers at the Center for Protein Structure and Function at the University of Arkansas. Send curriculum vitae and names of three references to: **Dr. Kevin Raney, Department of Biochemistry and Molecular Biology, Slot 516, 4301 West Markham Street, University of Arkansas for Medical Sciences, Little Rock, AR 72205.** E-mail: raneykevind@exchange.uams.edu.

POSITIONS OPEN

GENOMICS RESEARCHERS KUMHO LIFE AND ENVIRONMENTAL SCIENCE LABORATORY Kwangju, Korea

Seeking **PROJECT LEADER** and **PRINCIPAL INVESTIGATORS** in genomics and/or bioinformatics at Kumho Life and Environmental Science Laboratory, where research focus is on plant biotechnology. We are seeking a qualified Project Leader to lead the newly established functional genomics program as well as several Principal Investigators to join the current research staff to conduct research in plant functional genomics and bioinformatics. These positions require a Ph.D. degree with postdoctoral experience. Experience and a strong background in molecular biology and genetics are desirable but not mandatory. Attractive employment packages include competitive salary, rent-free apartment, and moving expenses and children's educational expenses. We invite applicants for these positions regardless of their nationality. For consideration, send curriculum vitae and the letters of three references to: **Mr. Jin Cheol Chung, Kumho Life and Environmental Science Laboratory, Kwangju 500-712, Korea.** Telephone: 82-62-970-2622; FAX: 82-62-972-5085; e-mail: jcchung@ksc.kumho.co.kr. The KLES is an Equal Opportunity Employer.

TWO POSITIONS IN THE DEPARTMENT OF PSYCHOLOGY, MCGILL UNIVERSITY Behavioral Neuroscience; Human Cognitive Neuroscience

The Department of Psychology of McGill University seeks applicants for two tenure-track positions at the **ASSISTANT** or junior **ASSOCIATE PROFESSOR** level, one in behavioral neuroscience, one in human cognitive neuroscience. The deadline for receipt of completed applications is January 15, 2001, with an anticipated starting date of September 1, 2001. The Department has excellent facilities for interdisciplinary research through its links with related academic departments at McGill and other universities in Montreal, research units in the McGill University Health Centre including the Montreal Neurological Institute, and McGill Cognitive Science. Full details of current strengths in the Department, preferred areas of interest for applicants, and application procedure can be found at [website: http://www.psych.mcgill.ca/](http://www.psych.mcgill.ca/) under Academic Positions.

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

POSTDOCTORAL POSITION

Position is immediately available to study airway epithelial cell physiology including wound healing, regulation of cytoskeletal structure and cellular biomechanics, and antioxidant defenses. Qualifications: Ph.D. in physiology, biomedical engineering, cell biology, biochemistry, or related field. Experience in cell culture and molecular biology is desirable. Please send curriculum vitae and three letters of recommendation to: **Christopher M. Waters, Ph.D., Department of Physiology, The University of Tennessee Health Science Center, 894 Union Avenue, Memphis, TN 38163.** E-mail: cwaters@physio1.utmem.edu. The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.

An NIH-funded **POSTDOCTORAL POSITION** is available in the laboratory of a nonprofit research institute affiliated with Harvard University to study function and regulation of genes in development or tumorigenesis using *in vitro* and *in vivo* model systems (*Nature Genetics* 23(4):447-451). Applicants should send curriculum vitae and names of three references to: **Dr. Yi-Ping Li, Harvard-Forsyth Department of Oral Biology, 140 Fenway, Boston, MA 02115.** E-mail: yi-ping@hms.harvard.edu; FAX: 617-262-4021.

POSITIONS OPEN

RESEARCH SCIENTIST/ AQUACULTURE-RELATED DISCIPLINE Woods Hole, Massachusetts

The Marine Biological Laboratory at Woods Hole seeks an **ASSISTANT** or **ASSOCIATE SCIENTIST** with demonstrated expertise in a scientific discipline related to aquaculture (e.g., nutrition, endocrinology, reproduction, molecular genetics, physiology, etc.). The successful candidate is expected to initiate or continue extramurally funded research programs (basic or applied) related to an appropriate scientific discipline. Furthermore, the position involves coordinating team efforts of the existing scientific aquaculture program that deals with biomedical model organisms as well as commercially important species. These tasks will include (1) supervising a small cadre of aquaculture personnel, (2) collaborating with the three MBL aquaculture Research Scientists and other Woods Hole researchers, (3) helping to develop innovative aquaculture technology, (4) organizing and participating in training workshops and short courses, and (5) assisting aquaculture extension personnel to address industry concerns.

Start-up funds are available and facilities include a modern building with extensive seawater systems (open and closed), dry laboratories, and a small freshwater fish facility (see [website: www.mbl.edu](http://www.mbl.edu)). Candidates must possess a Ph.D. (preferably with postdoctoral experience) and should supply a letter explaining research interests, professional goals, any supervisory/management skills, curriculum vitae, and names and addresses of three references to: **Human Resources Office, Aquaculture Search, Marine Biological Laboratory, 7 MBL Street, Woods Hole, MA 02543.** Inquiries for the position should be directed to e-mail: mrc.aqua.search@mbi.edu. Initial review of applications will begin 14 February 2001. The MBL is an Equal Opportunity/Affirmative Action Employer/nonsmoking workplace.

TENURE-TRACK INVESTIGATOR LABORATORY OF HOST DEFENSES National Institute of Allergy and Infectious Diseases

The Laboratory of Host Defenses has an opportunity for a tenure-track Investigator to establish an independent research program within the laboratory. Successful candidate will have at least four years of postdoctoral experience. Preference will be given to candidates with research goals in the area of the differentiation and development of monocytes, macrophages, and dendritic cells, which complements ongoing research relating to phagocytic cells in LHD. Information about research in LHD may be obtained at [website: http://www.niaid.nih.gov/dir/labs/lhd.htm](http://www.niaid.nih.gov/dir/labs/lhd.htm). Training in basic immunology is desired. Experience with construction of murine knockout disease models, knowledge of stem cell biology as it relates phagocytic cell differentiation, and training in clinical immunology would be helpful to allow interaction with other laboratories in LHD and facilitate translational approaches to the research. Candidates must have an M.D. or Ph.D. degree and have completed several years of postdoctoral training in the relevant area of immunology research indicated above. Curriculum vitae, bibliography, three letters of reference, and a statement of research interests must be submitted by December 31, 2000, to: **Dr. Dean Metcalfe, Search Committee Chair, c/o Joy Butler, Building 10, Room 4A26, 10 Center Drive MSC-1356, Bethesda, MD 20892-1356.** Applicants will be notified by e-mail or telephone when their application is received. *The NIH is an Equal Opportunity Employer.*

POSTDOCTORAL POSITION to study regulation of the endothelial nitric oxide synthase by protein-protein interactions and protein phosphorylation. Background of the applicant is less important than the ability and desire to learn. Please send curriculum vitae and names of three references by regular mail (not e-mail) to: **Richard C. Venema, Ph.D., Associate Professor, Vascular Biology Center, Medical College of Georgia, Augusta, GA 30912.**

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We have immediate vacancies for technical staff in Cambridge, and will continue to recruit through 2001. We offer exciting work, a friendly working environment plus an attractive compensation package. This includes pre-IPO options for all staff and relocation assistance as appropriate.

For more information, visit www.plasticlogic.com. To apply, contact the HR Coordinator at careers@plasticlogic.com, or write to us at Plastic Logic Limited, Sheraton House, Castle Park, Cambridge CB3 0AX

Candidates should have advanced qualifications in materials science, engineering, physics or synthetic chemistry, ideally with experience in one or more of:

- *Materials and device engineering of organic electronic devices.*
- *Synthetic chemistry of organic electronic materials*
- *Inorganic integrated circuit design or thin film electronic device fabrication*
- *High resolution printing techniques, such as ink jet*

We will also consider highly qualified candidates with more general backgrounds.



Geneva Proteomics

Geneva Proteomics Inc (GeneProt) aims to become the international leader in proteomics. The recruitment of key talent to build the world's first industrial scale integrated proteomics factory in Geneva, Switzerland, including 51 mass spectrometers and a word-class supercomputer is a critical success factor in achieving the ambitious goals of our young, fast-paced company.

We are now looking to recruit:

A pro-active Quality Assurance Manager

Reporting directly to the Chief Scientific Officer, you will have extensive experience of research/analysis in the biotechnology and/or pharmaceutical industry. Your key tasks will be to set up and take forward a leading QA function, to advise senior management on QA issues and to ensure timely implementation of QA policy to increase the effectiveness of our business.

You will be adept at problem solving with the ability to influence and persuade at all levels. Personal credibility, enthusiasm and a flair for communication are clearly essential but above all, you will need to have a vision of the value that innovative QA strategies can add to a business.

A high calibre in-house Patent Attorney

In charge of Intellectual Property, your responsibilities will cover research/analysis/technology/databases filings and critical appraisal of competitors' filings. Reporting directly to the Chief Scientific Officer, you will further advise senior management on IP issues, and look after the timely implementation of our IP policy.

To achieve these objectives, you will preferably have a PhD/JD and a proven track record of 5 years within the Biotechnology and/or Pharmaceutical field, together with a confident and credible personality, persuasiveness and a teamwork approach. Drive, strong organisation/planning skills and attention to details are essential.

In return, we can promise a challenging and rewarding environment which focuses on team work and an attractive package which includes competitive compensation (salary and stock options) and benefits.

If you feel you meet our criteria, please either e-mail your c.v. and a brief message to hr@geneprot.com or send to Human Resources, Geneva Proteomics Inc (Swiss branch), 2 Pré-de-la-Fontaine, BP 125, 1217 Meyrin 2, Switzerland. All enquiries will be treated in strictest confidence.

To find out more about Geneva Proteomics Inc., visit our web site www.geneprot.com

POSITIONS OPEN

MOLECULAR OR CELL BIOLOGIST BONE OR CARTILAGE RESEARCH

The Albert Einstein Healthcare Network invites applications for an **ASSISTANT** or **ASSOCIATE SCIENTIST** in the Department of Orthopaedics in the area of molecular or cell biology related to bone or cartilage research. Basic science teaching to resident staff and supervision of resident research projects are responsibilities of this position. Start-up funds for independent research are available.

The successful applicant must possess a Doctoral degree in an appropriate area and is expected to maintain a competitively funded research program. The candidate may be eligible for a faculty appointment at Thomas Jefferson University, and opportunities are available for a teaching position at LaSalle College.

Applicants should submit their curriculum vitae, bibliography, and a brief description of their funded research activities, and arrange to have three letters of reference sent. Applications will be considered in the order they are received. Please send to:

John A. Handal, M.D.
Chairman, Department of Orthopaedics
Albert Einstein Healthcare Network
5501 Old York Road
Willowcrest Building, Fourth Floor
Philadelphia, PA 19141

Albert Einstein Healthcare Network is an Equal Opportunity/Affirmative Action Employer.

A TENURE-TRACK SENIOR STAFF FELLOW/VISITING SCIENTIST position is available at the Center for Biologics on the NIH campus. The applicant will have broad latitude to study the biologic and therapeutic activity of CpG oligonucleotides (CpG ODN) and/or DNA vaccines using *in vitro* and *in vivo* models. Research should complement ongoing studies relating to the cellular/molecular recognition of CpG ODN in humans. Experience in IND review is desired, as one element of the position involves the review of INDs relating to CpG ODN and DNA vaccines. An M.D. and/or Ph.D. with at least five years of experience and skills in immunology and/or molecular biology is preferred. Salary is commensurate with experience. Qualified candidates should send curriculum vitae, names of three references, and a short letter describing their interests and future goals to: **Dennis Klinman, Building 29A, Room 3D10, CBER/FDA, Bethesda, MD 20852.** *United States citizens, permanent residents, and/or H1-B visa applicants are eligible.*

POSTDOCTORAL FELLOW STUDIES OF Na,K-ATPASE Department of Molecular Genetics, Biochemistry, and Microbiology University of Cincinnati

Our laboratory studies various aspects of the Na,K-ATPase including structure, function, and physiology. We have recently developed knockouts of the $\alpha 1$ and $\alpha 2$ isoforms of the Na,K-ATPase and are developing other genetically engineered animals to study the physiological significance of each of the isoforms. In addition, we are carrying out structure-function and gene regulation studies. We offer an excellent salary, superb facilities, and an outstanding environment for postdoctoral training. Interested candidates should send their résumés to: **Jerry B. Lingrel, Ph.D., Professor and Chair, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Cincinnati, OH 45267-0524.**

POSTDOCTORAL/RESEARCH ASSOCIATE: Measurement of intracellular calcium from transgenic mouse photoreceptors. Position available fall 2001. Previous experience with either retina or single cell electrophysiology. \$30,880 plus health. Curriculum vitae and three references to: **Professor Gordon L. Fain, Departments of Physiological Science and Ophthalmology, University of California Los Angeles, Los Angeles, CA 90095-1527. FAX: 310-825-4667.**

POSITIONS OPEN

BIOPURE® IS GROWING AND WE HAVE AN EXCITING OPPORTUNITY FOR A SENIOR SCIENTIST

Biopure Corporation, a biopharmaceutical company founded in 1984, is a leading developer and manufacturer of a new class of intravenous pharmaceutical solutions that deliver oxygen to the body's tissues. Biopure's proprietary technology includes patented processes for purifying and chemically cross-linking hemoglobin to produce sterile Oxygen Therapeutic™ solutions that are stable at room temperature and compatible with all blood types.

The successful Senior Scientist will contribute to the development and expansion of clinical applications for existing and new products. Responsibilities will include creating product development strategies; initiating, directing, and executing scientific research; managing preclinical research and clinical trial activities; designing, overseeing, and analyzing research conducted at outside laboratories in academia and industry; and contributing to and coordinating patent applications, publications, presentations, interdepartmental projects, and outside collaborations.

Senior Scientist candidates should hold a Ph.D. degree or equivalent in pharmacology or related medical science and possess at least five years of postdoctoral experience, preferably pharmaceutical or biotechnology related. Candidates must have a strong record of publication and have demonstrated technical proficiency, scientific creativity, and successful application of scientific principles and concepts. The position requires excellent writing and oral communication skills, a strong knowledge of computers, and the ability to work both independently and with people at all levels, internally and externally. Please FAX, e-mail, or mail to: **Job Code SSR, Human Resources, Biopure Corporation, 11 Hurley Street, Cambridge, MA 02141. FAX: 617-234-6830; e-mail: awalsh@biopure.com; website: www.biopure.com.**

ASSOCIATE SCIENTIST BIOLOGICAL SCIENCES

Performs glucose and lipid turnover studies and gas chromatography-mass spectrometry (GC-MS). Assists the Program Director/Associate Program Director in implementing and performing clinical protocols of general clinical research center. Trains and assists Fellows and students in laboratory research techniques and procedures for clinical protocols. Prepares manuscripts for submission to peer-reviewed journal. Submits abstracts for presentation at national scientific meetings and participates in seminars and workshops on a national level. Analyses and interprets research data and contributes in process for modification and/or alteration in protocol design. Requirements include M.D. or Ph.D. in biological sciences with three to four years of relevant postdoctoral experience in medical research required. Experience with gas chromatography, mass spectrometry, and the use of biologicals and radioactivity. We offer a competitive salary and benefits package including prepaid tuition. To learn more about Temple University or to submit your résumé online, go to website: **www.jobnet.com/temple**; e-mail (referencing Requisition Number 110M-9): **Temple@jobnet.com** (no attachments, please). You may also send a résumé to: **Scott Sampson, Employment Representative, 1601 North Broad Street, 203 USB, Philadelphia, PA 19122.** Please include salary history. *Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.*

POSTDOCTORAL POSITION available immediately for studies of cancer metastasis and tumor immunology [*Science* 271:509-512, 1996; *Science* 284: 1187-1191, 1999]. You will join a highly enthusiastic and interactive research team. Background or experience in molecular biology or biochemical analysis of cell activation preferred. Please forward curriculum vitae, bibliography, and names of three references to: **Dr. Georg F. Weber, New England Medical Center, Tufts University Medical School, 750 Washington Street, NEMC Number 824, Boston, MA 02111 U.S.A. FAX: 617-636-1766.**

POSITIONS OPEN

Transition Therapeutics and Diagnostics Inc. is an innovative immunomodulator and antifibrotic biopharmaceutical company that is currently recruiting two outstanding Ph.D. or M.D./Ph.D. **SCIENTISTS** with two to five years of postdoctoral experience. One position requires a Scientist with experience in recombinant protein technology, standard large-scale protein purification, and molecular biology techniques. Familiarity with peptide product manufacturing, formulations, and analysis will be valued. The second position requires a Scientist with experience in bioinformatics. A broad knowledge of databases, peptide sequences, searches, programming, and structural peptide modeling will be necessary.

Applicants should be innovative with strong scientific and analytical skills, work well independently and as part of a team, and possess strong communication and interpersonal skills. Applicants should submit curriculum vitae; relevant reprints of recent publications; a statement of research interests and directions; and names, addresses, telephone numbers, and FAX and e-mail addresses of three references by January 11, 2001, to: **Dr. Tony Cruz, Chief Executive Officer, Transition Therapeutics and Diagnostics Inc., 415 Yonge Street, Suite 1103, Toronto, Ontario M5B 2E7 Canada. FAX: 416-260-2886.**

The Department of Anesthesia at the University of Pennsylvania seeks a qualified Basic Scientist to fill a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. The successful candidate will have an M.D., Ph.D., or equivalent in chemistry or a related discipline and have a considerable published record of investigation with computational physical chemistry. In particular, experience with molecular dynamic simulations of biological macromolecules, such as proteins and lipid bilayers, is essential. The candidate will work within an interdisciplinary group investigating the molecular pharmacology of inhaled anesthetic action, and thus interpersonal skills and a collaborative nature are sought. Strong involvement in the Department's overall teaching and research missions is also sought. The candidate will be expected to already have or rapidly obtain independent extramural support. Interested candidates should e-mail their curriculum vitae to: **Dr. Roderic G. Eckenhoﬀ (e-mail: reckenho@mail.med.upenn.edu).** *The University of Pennsylvania Health System is an Equal Opportunity Employer.*

GLIER ENVIRONMENTAL POSTDOCTORAL FELLOWSHIPS

Up to five Postdoctoral Fellowships tenable for one year; renewable for a second. Applicants interested in aquatic ecology, organohalogen contaminants, and enzymatic waste processing particularly encouraged. Further information at website: **www.uwindsor.ca/glier**. Submit application; curriculum vitae; and three letters of reference by January 5, 2001, to: **Director, Great Lakes Institute for Environmental Research, University of Windsor, Windsor, ON N9B 3P4 Canada.**

POSTDOCTORAL POSITIONS MOUSE GENETICS/GENOMICS

Successful applicants will implement novel genomic mutagenesis strategies to isolate and evaluate mutations affecting genome stability, recombination, and meiosis in mice. To inquire, send curriculum vitae to: **John Schimenti, Ph.D., The Jackson Laboratory, Bar Harbor, ME 04609. E-mail: jcs@jax.org; Telephone: 207-288-6402; website: www.jax.org/~jcs.**

POSTDOCTORAL POSITION studying viral antiapoptotic proteins. Position is available to characterize antiapoptotic proteins encoded by oncogenic viruses. A Doctoral degree or equivalent with training or working experience in any one of the following areas is preferred: molecular biology, immunology, virology, or protein chemistry. E-mail: **william.marshall@umassmed.edu** or contact: **Dr. William Marshall, M.D., Medicine, University of Massachusetts Medical School, 55 Lake Avenue North, Worcester, MA 01655.**



Nucleotide
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Pharma

NAP AG is a newly founded pharmaceutical company with a strategic focus on drug intervention for cytoskeletal disturbances of neurons, most notably Alzheimer's disease. Its facilities are conveniently located in the heart of Munich, Germany. With intellectual property from industrial and academic centers of excellence and solid financial backing, an outstanding career opportunity has become available to build a team of superbly talented and motivated scientists.

Senior Scientist CNS Pharmacology

You are a young, ambitious scientist well versed in CNS-related in vivo lesion models and surgical techniques, especially motivated by working on challenging medical problems.

Experience with either infarction models or transgenics would be an advantage. **You** are looking to contribute your expertise in one or several of the following areas:

- Histological techniques and immunohistochemistry relevant to the CNS
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- Analysis and interpretation of anatomical and cytomorphological abnormalities in disease and toxicity
- Strong experimental skills and involvement
- Understanding of molecular rationales and techniques

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Germany
Or fax to +49-89-50808279



Pharmaceuticals

Postdoctoral Positions

Who we are

The Molecular Structures section of the Chemical Technologies department at F. Hoffmann-La Roche Ltd, Basel, Switzerland, provides biostructural information and expertise to support drug discovery projects. The section's Protein Crystallography group, which is tightly integrated into interdisciplinary drug discovery activities, has fully equipped molecular biology, expression, purification, crystallisation and X-ray laboratories and has earned a strong reputation in its field.

The positions

The Protein Crystallography group has two post-doctoral openings for two years, with an option to extend. The first position involves applying molecular biological and biochemical methods to the characterisation of pharmaceutically relevant targets and improving and extending these methods for the production of material suitable for analysis by crystallographic and other biophysical methods. The second position involves applying protein crystallography methods to the determination of crystal structures and improving and extending these methods in areas relevant to the discovery, analysis and improvement of chemical lead compounds.

Who you are

You have a PhD in biochemistry, molecular biology, protein crystallography or equivalent, with a solid theoretical background and a demonstrated ability to perform experiments independently and contribute significantly to research projects. Knowledge of state of the art methods and experience with the laboratory instrumentation used in the above fields are prerequisites. **You** enjoy implementing and applying new technologies. **You** are an excellent team player, **are used** to working in a multidisciplinary environment **and** speak fluent English.

Who to contact

If the above profile matches your background and experience and **you** are interested in either of these challenging postdoctoral positions, please send your application, including full supporting documentation, to: F. Hoffmann-La Roche Ltd, Mr Werner Aschwanden, PSPB, P.O. Box, CH-4070 Basel, quoting reference: As3874. For further information please contact Dr Michael Hennig, phone 0041-61-688 60 46.

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST

The Department of Biology, State University of West Georgia, is seeking to fill a tenure-track **ASSISTANT PROFESSOR** position for August 2001. The candidate must hold a Ph.D. or equivalent degree in an appropriate field and postdoctoral experience is required. The successful candidate is expected to teach developmental biology and embryology, molecular cell biology, and possibly general biology for majors. He/she is also expected to establish a research program engaging undergraduate and Master's students. Curriculum vitae, statements of teaching philosophy and research interests, and three letters of recommendation should be forwarded to: **Dr. David Osborne, Department of Biology, State University of West Georgia, 1601 Maple Street, Carrollton, GA. Telephone: 770-836-6547; e-mail: dosborne@westga.edu.** For details on the Department, see website: www.westga.edu/~biology.

POSTDOCTORAL POSITION CANCER MOLECULAR BIOLOGY

A Postdoctoral position is available to participate in a structural study of the molecular mechanisms of carcinogenesis in breast cancer. A Protein Biochemist/Molecular Biologist is sought with experience in the cloning, expression, and purification of recombinant proteins. Training will be given in protein crystallization and other aspects of protein crystallography. Funding for this position is available immediately for three years. Please send curriculum vitae and three letters of reference to:

Dr. Gordon Webster and Dr. Jerome Groopman
Harvard Institutes of Medicine
4 Blackfan Circle
Boston, MA 02115
FAX: 617-975-5243
E-mail: gwebster@caregroup.harvard.edu

POSTDOCTORAL VERTEBRATE ECOLOGIST ARCHBOLD BIOLOGICAL STATION (Readvertisement)

Two-year **POSTDOCTORAL POSITION** to conduct independent ecological research involving terrestrial mammals or herptiles at Archbold Biological Station, an independent research institute in south central Florida. More information at website: <http://www.archbold-station.org/abs/staff/jobs.htm>. Apply by 29 January 2001. Start date is March 2001.

Two **POSTDOCTORAL POSITIONS** are available (1) to study the molecular mechanisms of estrogen-induced carcinogenesis; experience in molecular biology is preferred for this position and (2) Organic Chemist to synthesize steroidal and nonsteroidal compounds. Experience in medicinal chemistry is desirable for this position. Send curriculum vitae and references to: **Dr. Deodutta Roy, University of Alabama at Birmingham, Department of Environmental Health Sciences, Birmingham, AL 35294-0022. E-mail: Royd@uab.edu.** University of Alabama at Birmingham is an Equal Opportunity Employer.

POSTDOCTORAL POSITION studying infections of the lung. Pulmonary laboratory with 20 years of NIH funding. Skills in microbiology, immunology, or molecular biology preferred. *NIH training grant requires U.S. citizenship or green card.* Send letter/curriculum vitae to: **W. J. Martin II, M.D., Indiana University Medical Center, 1001 West 10th Street, OPW 425, Indianapolis, IN 46202-2879. E-mail: wjmartin@iupui.edu.**

POSTDOCTORAL POSITION available to study bioinformatics/genomics, biochemistry, and molecular biology and structural biology of vesicle traffic in early secretory pathway. Interested candidates should send curriculum vitae and three reference letters to: **Dr. William E. Balch, The Scripps Research Institute, 10500 North Torrey Pines Road, IMM11, La Jolla, CA 92037. FAX: 858-784-9126.** The Scripps Research Institute is an Equal Opportunity Employer.

POSITIONS OPEN

NERVOUS SYSTEM IMMUNOLOGY

Postdoctoral training in (1) T cell therapy for metastatic brain tumor and (2) how local neurochemicals affect immune control: mechanisms and clinical implications. Apply to: **Dr. L. Lampson, Neurosurgery, Harvard Medical School; e-mail: lampson@rics.bwh.harvard.edu.**

POSTDOCTORAL FELLOWSHIP

A Postdoctoral Fellowship is immediately available in the laboratory of **Dr. Albert Wong** to study signal transduction pathways in tumorigenesis. The areas of interest include (1) signaling pathways induced by a naturally occurring mutant EGF receptor (*Oncogene* 13:85-96; *Journal of Biological Chemistry* 273:200-206); (2) properties of the Gab1 docking protein, which plays a role in signaling for several receptor tyrosine kinases and cytokine receptors (*Nature* 379:560-564; *Proc. Natl. Acad. Sci. (U.S.A.)* 94:12419-12424); (3) role of JNK in tumorigenesis (*Journal of Biological Chemistry* 273:2817-2822). Please send or e-mail curriculum vitae to: **Albert J. Wong, M.D., Kimmel Cancer Institute, Thomas Jefferson University, BLSB 1002, 233 South 10th Street, Philadelphia, PA 19107 U.S.A. E-mail: a_wong@lac.jci.tju.edu.** Equal Opportunity Employer.

POSTDOCTORAL POSITIONS. Two Postdoctoral positions are available immediately to study the mechanisms of subcellular protein targeting. Our interdisciplinary research involves structure-function analysis, membrane-protein, and protein-protein binding studies using surface plasmon resonance and cellular translocation studies by two-photon microscopic analysis. The laboratory is one of the leaders in this line of research and provides a highly challenging and supportive environment with state-of-the-art facilities. Energetic candidates with a strong background in cell biology and microscopy are encouraged to apply. Please send curriculum vitae and names of three references to: **Dr. Wonhwa Cho, Department of Chemistry (M/C 111), University of Illinois at Chicago, 845 West Taylor Street, Chicago, IL 60607. E-mail: wcho@uic.edu; website: <http://brahms.chem.uic.edu>.**

POSTDOCTORAL POSITION

A Postdoctoral position is available immediately to study the molecular mechanisms involved in vitamin D receptor (VDR)-mediated gene expression and the role of nuclear receptor coactivators and other novel VDR-interactive proteins. Outstanding, highly motivated candidates with expertise in cell and molecular biology, protein expression, and transcriptional assays are highly desired. Applicants with recent Ph.D., M.D., or equivalent degrees should send their curriculum vitae and a list of three references to: **Paul N. MacDonald, Ph.D., Department of Pharmacology, W334, Case Western Reserve University School of Medicine, 10900 Euclid Avenue, Cleveland, OH 44106. FAX: 216-368-3395; e-mail: pnm2@po.cwru.edu.**

DEVELOPMENTAL NEUROBIOLOGY: POSTDOCTORAL RESEARCH SCIENTIST position available in early 2001 to study molecular events that establish the vertebrate nervous system. Targeted gene expression techniques, knockdown, and transgenesis will be used to study the establishment of the neural plate and acquisition of primary spinal neuron cell fate in *Xenopus*. Must have Ph.D. and experience in molecular biology. Knowledge of developmental biology and/or neuroscience preferred. Send curriculum vitae and names/addresses of three references to: **Sally A. Moody, Professor, Department of Anatomy and Cell Biology, George Washington University Institute of Biomedical Sciences, 2300 Eye Street, N.W., Washington, DC 20034. E-mail: anasam@gwumc.edu; website: www.gwumc.edu/anatomy/1sallymoody.html.**

POSITIONS OPEN

CORNELL UNIVERSITY DIVISION OF NUTRITIONAL SCIENCES

Postdoctoral Position(s) are available to study the regulation of folate-dependent methylation reactions during murine development and the mechanisms whereby iron regulates the expression of folate-dependent genes. Ph.D. required. Expertise in murine transgenics, folate biochemistry, and molecular or developmental biology preferred. Please submit curriculum vitae and addresses of three references to: **Dr. Patrick Stover, Cornell University, Division of Nutritional Sciences, 315 Savage Hall, Ithaca, NY 14853.** Cornell University is an Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.

POSTDOCTORAL/RESEARCH ASSOCIATE positions available in cancer immunology and immunotoxicology to study the role of CD44 and isoforms in tumor rejection as well as Fas-FasL interactions in apoptosis induced by environmental pollutants. Ph.D. in cell/molecular biology or immunology or related field required. Send curriculum vitae and three reference letters by January 31, 2001, or until position is filled to: **Dr. Mitzi Nagarkatti, Massey Cancer Center and Department of Microbiology and Immunology, P.O. Box 980678, Medical College of Virginia, Virginia Commonwealth University, Richmond, VA 23298-0678.** Virginia Commonwealth University is an Equal Employment Opportunity/Affirmative Action Employer.

Columbia University, College of Physicians and Surgeons, New York, Division of Pediatric Hematology is seeking a **POSTDOCTORAL RESEARCH SCIENTIST** to do research in the area of molecular biology applied to hemoglobinopathies (prenatal diagnosis on normoblasts circulating in the maternal blood; evaluation of genetic modifiers). Applicant must have a recent Ph.D. and experience in biochemical and/or molecular techniques. Send curriculum vitae to: **Dr. Sergio Piomelli, Director, Comprehensive Sickle Cell Center. E-mail: sp23@columbia.edu.** We are an Affirmative Action/Equal Opportunity Employer and welcome applications from women and members of minority groups.

NEUROSCIENCE POSTDOCTORAL POSITION for research on the genetic control of cerebral cortex development at the University of Washington, Seattle. Studies focus on the differentiation of cortical layers and axonal connections. Techniques include microarray analysis of gene expression, organotypic slice culture, axon tracing, and *in situ* hybridization. Send curriculum vitae, concise statement of research interests, and names of three references to: **Dr. Robert Hevner, Department of Pathology Box 359791, 325 Ninth Avenue, Seattle, WA 98104-2499. E-mail: rhevner@u.washington.edu; website: <http://myprofile.cos.com/rhevner>.** Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITIONS are available for Ph.D.s or M.D.s in immunology and virology of hepatitis C virus. Experience in immunology and virology is necessary. Work is in gastrointestinal division at the Philadelphia VA Medical Center. Send curriculum vitae to: **Kyong-Mi Chang, M.D., Gastrointestinal Division, 600 CRB, University of Pennsylvania, 415 Curie Boulevard, Philadelphia, PA 19104-6140. E-mail: kmchang@mail.med.upenn.edu; FAX: 215-573-2024.** The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION available immediately to study microbe/insect coevolution ([website: www.museum.lsu.edu/postdoc.html](http://www.museum.lsu.edu/postdoc.html)). Desired skills include bacterial culturing, SEM, DNA sequencing, and phylogenetic analysis of microorganisms. Send curriculum vitae and three letters of reference to: **Dr. Mark S. Hafner, Museum of Natural Science, Louisiana State University, Baton Rouge, LA 70803. E-mail: namark@lsu.edu.** LSU is an Equal Opportunity Employer.

POSITIONS OPEN

VASCULAR MAPPING PROJECT University of California, San Francisco

POSTDOCTORAL POSITIONS in cellular and molecular biology are available for localizing novel markers of blood vessels in normal and diseased tissues including tumors. The project involves Investigators in the laboratory of **Dr. Donald McDonald** at the University of California, San Francisco (UCSF), working in collaboration with Scientists at other institutions. Experience in cellular and molecular biology and strong interest in phage display, novel fluorescence, and confocal microscopic imaging methods to identify molecular targets on blood vessels are essential. Excellent oral and written communication skills are also required. Send curriculum vitae, summary of current research, and names and e-mail addresses of three references to: **Harlan Conti, Box 0452, University of California, San Francisco, San Francisco, CA 94143-0452. FAX: 415-476-4845; e-mail: conti@itsa.ucsf.edu.** UCSF is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.

Mayo Clinic POSTDOCTORAL POSITION, molecular neurobiology laboratory. Positions are available immediately to study the delivery of therapeutic/diagnostic peptides or proteins across the blood-brain barrier into the nervous system for treatment/diagnosis of neurodegenerative diseases. Focus is on preclinical studies using transgenic mouse models of AD, ALS, or PD. For further details, see website: www.mayo.edu/research/molecular_neurobiology. Applicants must be U.S. citizens and permanent residents or green card holders to be eligible for funding and must have a Ph.D. or equivalent degree with appropriate experience. Send curriculum vitae and three letters of recommendation to: **Joseph F. Poduslo, Ph.D., Molecular Neurobiology Laboratory, Departments of Neurology and Biochemistry/Molecular Biology, Mayo Clinic, 200 First Street S.W., Rochester, MN 55905. E-mail: poduslo.joseph@mayo.edu. See website: <http://www.mayo.edu/research/>.** Mayo Foundation is an Affirmative Action/Equal Opportunity Employer and Educator.

POSTDOCTORAL POSITION DEPARTMENT OF IMMUNOLOGY CLEVELAND CLINIC FOUNDATION

A Postdoctoral position is available in the Department of Immunology beginning February 2001 to study functions of the Cbl family proteins using gene-targeted mutant mouse models (PNAS 95:15547, 1998; Nature 403:216, 2000). Particular areas of interest are hematopoietic/lymphoid development, lymphocyte activation, and autoimmunity. Recent Ph.D. and/or MD with experience in molecular biology and/or biochemistry and familiarity with immunology and mouse genetic technologies preferred.

Please send curriculum vitae and names of three references to: **Mayumi Naramura, M.D., c/o Ms. Jan Kodish, Department of Immunology/NB30, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195. FAX: 216-444-9329; e-mail: kodishj@ccf.org.**

DEVELOPMENT OF NOVEL GENE TRANSFER VECTORS Robert M. Kotin, Ph.D.

A two-year **POSTDOCTORAL FELLOWSHIP** is available in the area of gene transfer vector development. The research focus is on developing novel vectors utilizing adeno-associated viruses (AAV) and adenovirus. Our laboratory's research is centered on AAV: basic molecular biology, virus-cell interactions, recombinant AAV development, and applications. Experience in molecular biology is required. Applicants must have a Doctoral degree and not more than three years of postdoctoral experience. Contact: **Robert M. Kotin, Laboratory of Biochemical Genetics, NHLBI, Building 10, Room 7D18, 10 Center Drive MSC 1654, Bethesda, MD 20892-1654. E-mail: Kotinr@nhlbi.nih.gov.** NIH is an Equal Opportunity Employer.

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NASA PLANETARY BIOLOGY INTERNSHIPS

The Marine Biological Laboratory, Woods Hole, Massachusetts, invites applications from graduate students and seniors accepted to graduate programs for internships to explore scientific questions of global scale about the planet Earth. Interns will receive awards of \$2,200 plus travel to participate in research at NASA centers and collaborating institutions for approximately eight weeks. Typical intern programs include global ecology, remote sensing, microbial ecology, biomineralization, and origin and early evolution of life. Application deadline: March 1, 2001. For information/applications, contact: **Michael Dolan, Planetary Biology Internship, Department of Geosciences, Box 35820, University of Massachusetts, Amherst, MA 01003-5820. E-mail: pbi@geo.umass.edu. Telephone: 413-545-3223.** An Equal Opportunity/Affirmative Action Institution.

POSTDOCTORAL POSITION

A Postdoctoral position is immediately available to study the role of COX-2 and Akt genes in radiation resistance and angiogenesis. Candidates must have M.D./Ph.D. degree, preferably in the field of tumor biology or radiation biology. A strong background in cell and molecular biology techniques is essential. Experience with animal tumor models is preferred. Very competitive salary and benefits and affordable cost of living. Please send curriculum vitae and three references to: **Costas Koumenis, Ph.D., Assistant Professor, Department of Radiation Oncology, Comprehensive Cancer Center, Wake Forest University School of Medicine, Medical Center Boulevard, Winston-Salem, NC 27157-1030. Telephone: 336-716-0285; FAX: 336-716-7837; e-mail: ckoumeni@wfubmc.edu.** Wake Forest University School of Medicine is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Postdoctoral position available for a recent graduate with Ph.D. or M.D. degree to join a dynamic research team engaged in the study of the coreceptor function of CD8 and antigen recognition of TCR, in particular the impact of CD8 in T cell development.

A highly motivated individual with expertise in cellular immunology is encouraged to apply. Experience in transgenic animal technology is a plus. Please send a résumé and the names of three references to: **Hsiu-Ching Chang, Ph.D., Dana-Farber Cancer Institute, Binney Street, Dana 610, Boston, MA 02115. FAX: 617-632-3351; E-mail: hsiu-ching.chang@dfci.harvard.edu.** Equal Opportunity Employer.

INSECT SYSTEMATIST

The Walter Reed Army Institute of Research, Department of Entomology, has an opening for a Ph.D. Insect Systematist for work on mosquitoes of medical importance. Duties will include basic and applied research using morphological and molecular tools, consulting to Army and other Department of Defense activities, field studies, and curation of the National Mosquito Collection. Work site is the Smithsonian Institution, Museum Support Center, near Washington, D.C. Salary range \$51,204 to \$66,564. To apply, go to website: www.usajobs.opm.gov/a6.htm; Series 0414, Position BBU100115. Closes 2 February 2001; U.S. citizens only.

POSTDOCTORAL POSITION available to study molecular and cellular mechanisms involved in the regulation of V(D)J recombination and commitment to lymphocyte lineages. Candidates with experience in molecular biology or cellular immunology/hematology are encouraged to apply. Submit curriculum vitae and references to: **Dr. Rachel Gerstein, Department of Molecular Genetics, Microbiology, University of Massachusetts Medical School, 55 Lake Avenue North, Worcester, MA 01655. FAX: 508-856-5920; e-mail: Rachel.Gerstein@umassmed.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITION Akt/PKB SIGNAL TRANSDUCTION

A Postdoctoral position is available at Columbia University in New York to study the function of novel Akt/PKB-interacting proteins in kinase regulation and apoptosis control. Applicants should be recent graduates with experience in molecular biology, enzymology, or biochemistry and submit their curriculum vitae, a brief summary of research interests, and three letters of reference. Competitive salaries include a comprehensive benefits package. Contact: **Thomas Franke, Columbia University, PH7-W318, 630 West 168th Street, New York, NY 10032. FAX: 212-305-8780; e-mail: tff5@columbia.edu.** Columbia University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL/RESEARCH ASSOCIATE to study novel neurotransmitters and their metabolic enzymes. Experience in various molecular biological and biochemical techniques required including enzyme characterization, cloning, expression, RNA analysis, PCR, and bioinformatics. Contact: **S. Regunathan, Division of Neurobiology, Weill Medical College of Cornell University, 411 East 69th Street, New York, NY 10021. E-mail: sregun@med.cornell.edu.** Equal Employment Opportunity/Affirmative Action/Minorities/Females/Disabled/Veterans.

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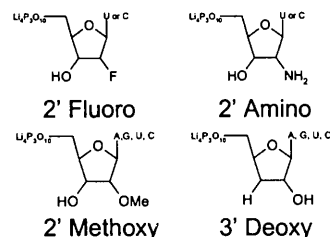
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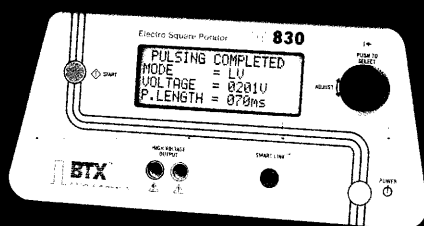
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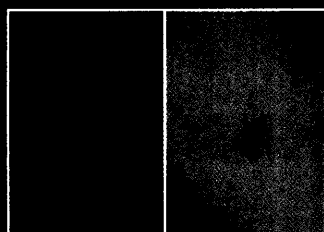
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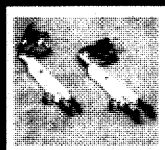


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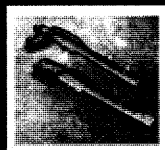
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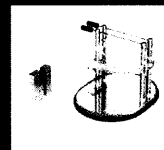
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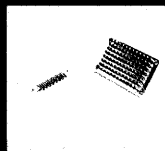
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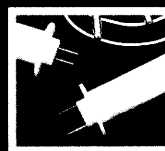
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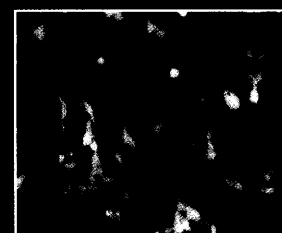
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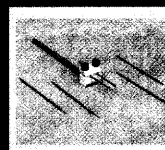


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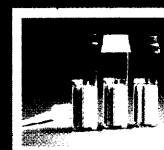
Personal communication, J. Vieira,
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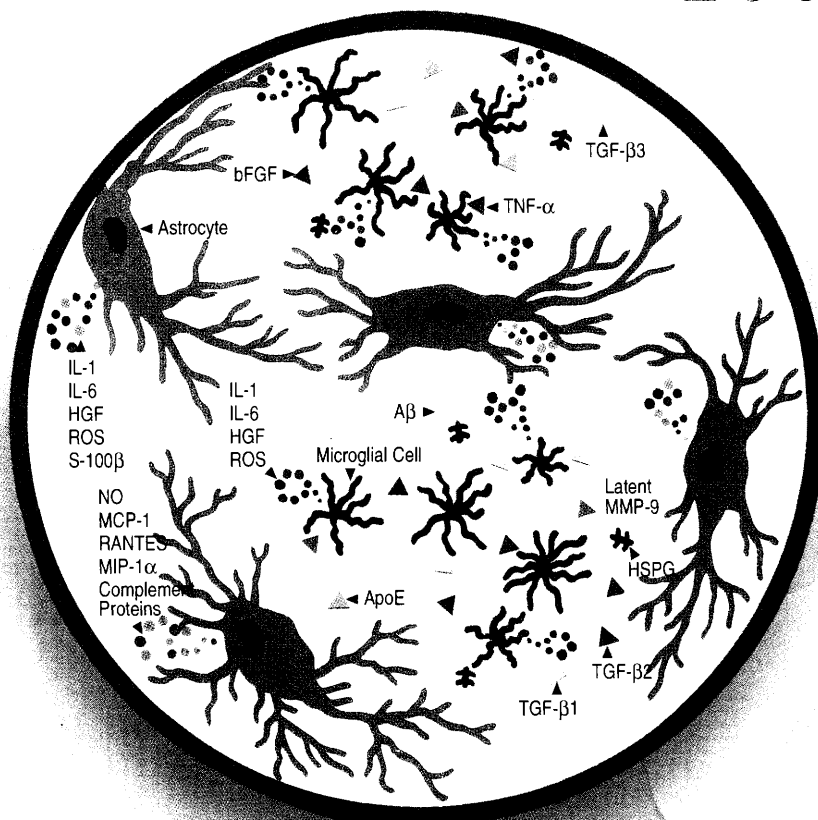
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