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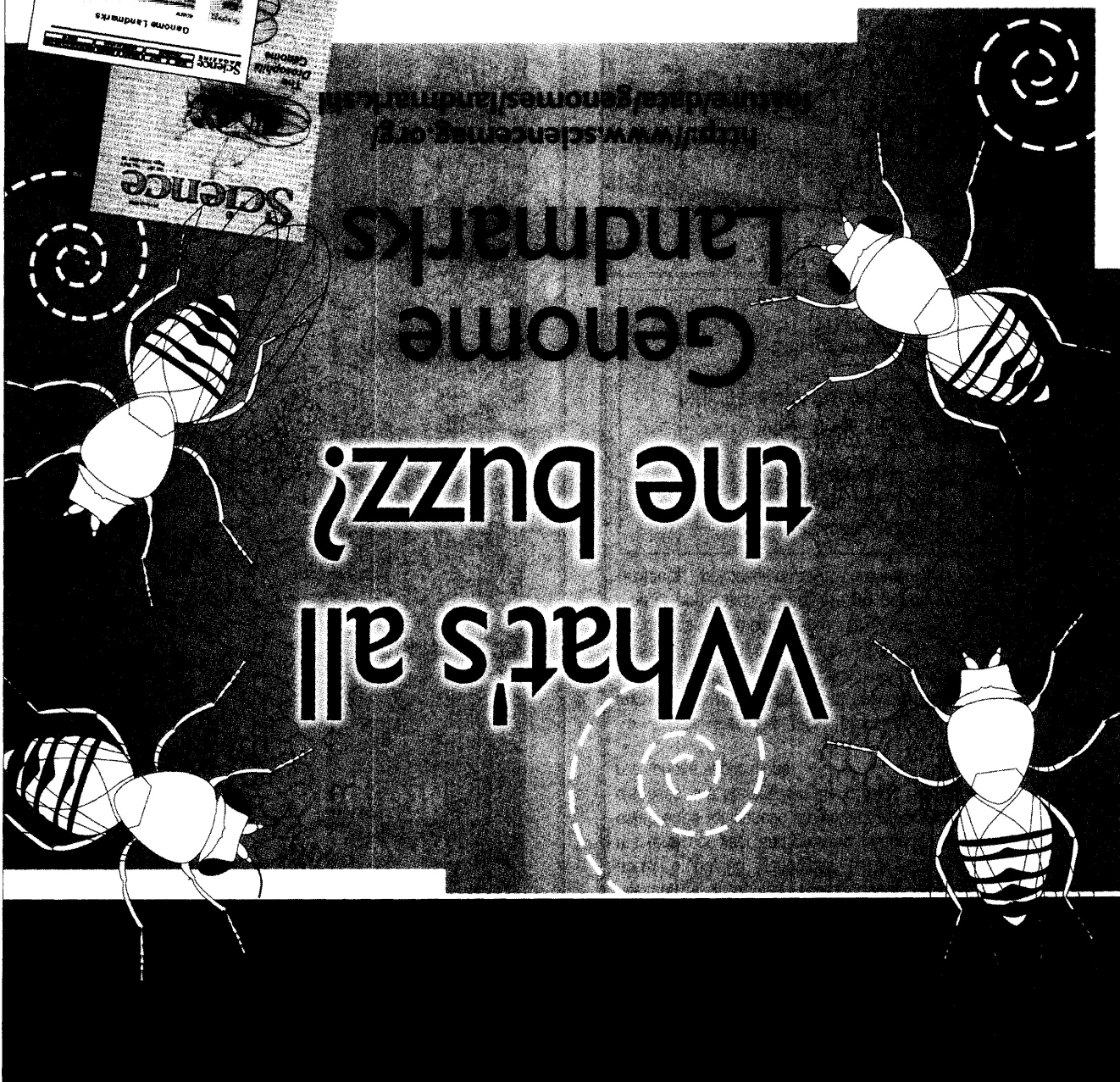
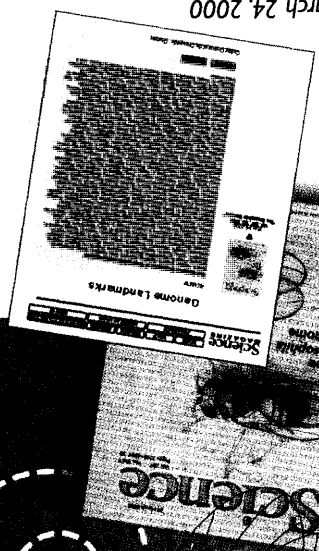
Find the most important research papers, viewpoints, and news on *Science's* Genome Landmarks web page. This useful online collection provides a quick and easy way to review major genomic-related research that has been published in *Science*, including:

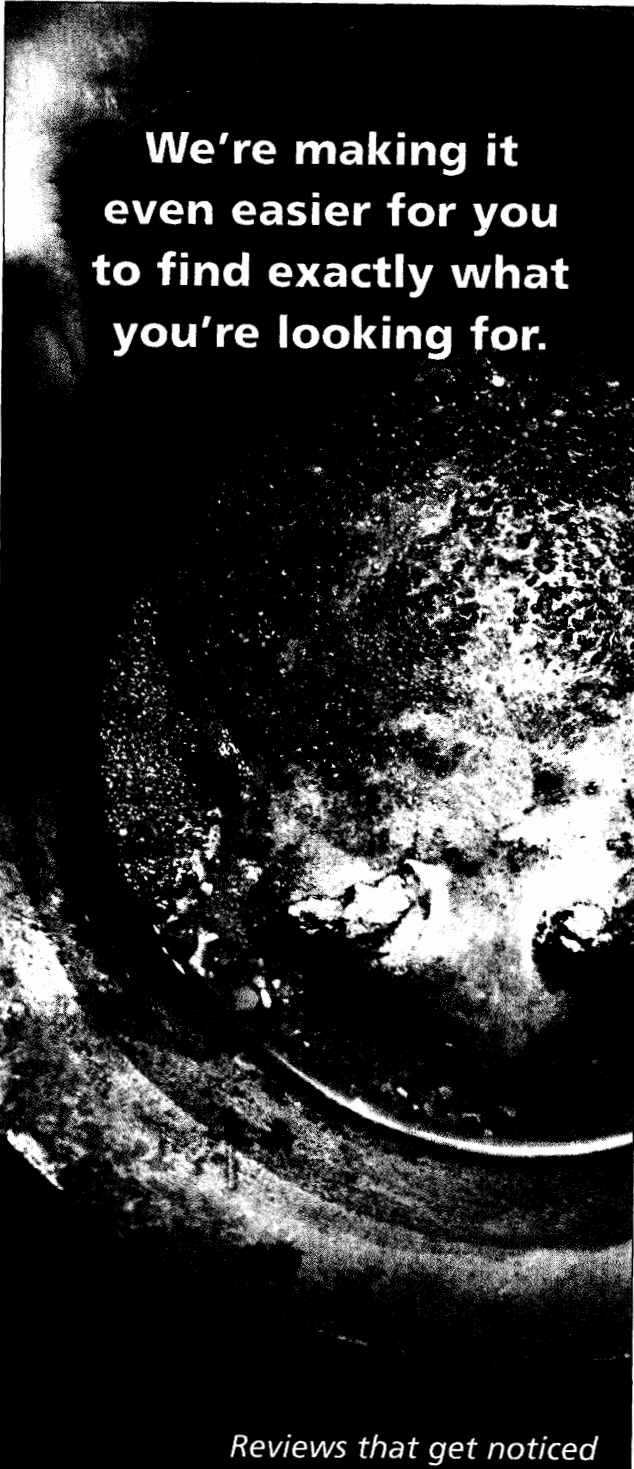
- The *Drosophila* Genome – The Genome Sequence of *Drosophila melanogaster* March 24, 2000
- The Promise of Comparative Genomics in Mammals October 15, 1999
- A Genome Sampler – *Arabidopsis thaliana*: A Model Plant for Genome Analysis October 23, 1998
- Building Gene Families – Gene Families: The Taxonomy of Protein Paralog and Chimeras October 24, 1997
- A Gene Map of the Human Genome October 25, 1996
- The Minimal Gene Complement of *Mycoplasma genitalium* October 20, 1995

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MAMMALIAN GENOTYPING SERVICE

The Mammalian Genotyping Service is funded by the National Heart, Lung, and Blood Institute to assist in linkage mapping of genes which cause or influence disease. Genotyping is carried out using short tandem repeat polymorphisms at Marshfield, Wisconsin under the direction of Dr. James Weber. Capacity of the Service is currently about 6,000,000 genotypes (DNA samples times polymorphic markers) per year and growing. Although the Service was initially established for genetic projects dealing with heart, lung, and blood diseases, the Mammalian Genotyping Service will now consider all meritorious applications.

To ensure that the most promising projects are undertaken, investigators must submit brief applications that are evaluated by a scientific advisory panel. At this time, only projects involving human, mouse, rat, dog or zebrafish and only projects with > 10,000 genotypes will be considered. DNA samples must be in hand at the time of application. **There are no genotyping fees for approved projects.** Application deadlines are every six months.

Upcoming Deadlines:

March 31, 2001

September 30, 2001

View instructions online:

<http://research.marshfieldclinic.org/genetics>

Call for an application:

(715) 389-3525

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POSITIONS OPEN

The Department of Atmospheric and Ocean Sciences of McGill University invites applications from candidates in extreme weather research who have expertise in numerical modeling. The Chair is a tenured senior position at either the **ASSOCIATE** or **FULL PROFESSOR** level. Applicants should have a Ph.D. degree and will normally have had extensive experience with extreme weather research. The successful applicant will be expected to teach at the undergraduate and graduate levels, supervise graduate research, and establish a vigorous research program. The Chair is sponsored by the Meteorological Service of Canada and the Institute for Catastrophic Loss Reduction. McGill University will support the successful candidate in an application for an NSERC Industrial Research Chair, and the appointment is contingent upon the success of the application. NSERC (Natural Sciences and Engineering Research Council) is the Canadian federal granting agency for university research in science and engineering. The Department of Atmospheric and Oceanic Sciences together with the Department of Mathematics and Statistics (both of McGill University) invites applications for a joint tenure-track position at the **ASSISTANT PROFESSOR** level. The area of the appointment is in dynamic meteorology (such as waves and turbulence) and scientific computation. Applicants are expected to have demonstrated the capacity for independent research of excellent quality. Selection criteria include research accomplishments and potential contributions to the educational programs of both departments at the undergraduate and graduate levels. Applications for either of the above positions should include curriculum vitae; a list of publications; a research outline; an account of teaching experience and evidence of teaching effectiveness; and the names, telephone numbers, and e-mail addresses of at least four references (with one addressing the teaching record). The application should be sent to the following address: **Dr. Charles Lin, Chair, Department of Atmospheric and Oceanic Sciences, McGill University, 805 Sherbrooke Street West, Montreal, Quebec H3A 2K6 Canada. E-mail: lin@zephyr.meteo.mcgill.ca.** Candidates must arrange to have the letters of reference sent directly to the above address. Candidates are encouraged to include copies of three selected publications or preprints accepted for publication with their applications. Applications received before January 15, 2001, will be assured of consideration. The latest starting date of both appointments is September 2001. *McGill University is committed to Equity in Employment. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. However, applications from all outstanding candidates will be considered.*

TENURE-TRACK ASSISTANT PROFESSOR POSITION MEDICINAL CHEMISTRY

The Department of Medicinal Chemistry at the University of Minnesota invites applications for a tenure-track Assistant Professor position beginning in fall 2001. The Department seeks applicants capable of establishing a nationally recognized, externally funded research program in synthetic medicinal chemistry with a focus on drug design. All therapeutic and biological research areas will be considered with special attention given to those dealing with cancer, viral diseases, and neuroscience. The successful applicant is expected to develop excellence in teaching at both the professional and graduate level. Applicants must have a Ph.D. in either medicinal or organic chemistry and postdoctoral experience. Applicants should send curriculum vitae, a description of a proposed research program, and the names of three references to: **Professor Rodney Johnson, Department of Medicinal Chemistry, University of Minnesota, 308 Harvard Street S.E., Minneapolis, MN 55455-0343.** Review of completed applications will begin February 1, 2001, and will continue until the position is filled. Details of the Department can be found at website: <http://www.pharmacy.umn.edu/resgrad/medchem/index.htm>.

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POSITIONS OPEN

TENURE-TRACK ASSISTANT PROFESSOR TERRESTRIAL VERTEBRATE ECOLOGIST The University of Michigan

School of Natural Resources and Environment (SNRE) at the University of Michigan (UM) invites applications for a nine-month tenure-track Terrestrial Vertebrate Ecologist position at the Assistant Professor level. A Ph.D. in biology or equivalent is required along with demonstrated achievements in research and teaching in vertebrate ecology. Postdoctoral experience is desirable. Applicants are sought who have the ability to use their knowledge of terrestrial vertebrate at multiple spatial scales, proficient in quantitative ecology and population biology or community ecology, and strong communication skills. The successful candidate will annually mentor graduate students and teach one graduate seminar, one undergraduate, and one graduate-level course. Quantitative ecology will be the topic of one of the lecture courses. The candidate is expected to develop a strong, extramurally funded research program focusing on terrestrial vertebrate ecology. Additionally, the candidate will have the opportunity to collaborate and integrate their interests with a wide array of Biological and Social Scientists, designers, and planners within SNRE and with Scientists around UM.

Application information: Application deadline is January 5, 2001, or until a suitable candidate is found. Applicants need to forward statements of research and teaching interests, curriculum vitae, and three letters of reference to: **Terrestrial Vertebrate Ecology Search Committee, School of Natural Resources and Environment, 430 East University Avenue, Ann Arbor, MI 48109-1115.**

For information, Telephone: 734-764-2550; e-mail: vertebratesearch@umich.edu (with SEARCH in the subject line); FAX: 734-936-2195.

Information about SNRE and a copy of this advertisement can be found at website: www.snre.umich.edu and about The University of Michigan at website: www.umich.edu.

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CALIFORNIA STATE POLYTECHNIC UNIVERSITY Pomona, California

DIRECTOR, Center for Education and Equity in Mathematics, Science, and Technology in the College of Science. Doctorate in mathematics or science education or in mathematics, biology, chemistry, geology, or physics with experience in mathematics or science education at the K-12 level; knowledge of reform movements and national/state standards in mathematics/science. Previous experience and scholarly activities suitable for placement at tenured **PROFESSOR** rank. Search will be open until filled. First consideration will be given to complete applications received no later than February 1, 2001. Position starting date no later than September 2001. **TENURE-TRACK TEACHING POSITION** (rank and salary open) in science education in the Center for Education and Equity in Mathematics, Science, and Technology in the College of Science. Doctorate in science education or in biology, chemistry, geology, or physics with experience in science education at the K-12 level; experience in grades 7-12 science teaching and potential for related research required. Search will be open until filled. First consideration will be given to complete applications received no later than March 1, 2001. Position starting date: September 2001. Cal Poly Pomona is actively seeking to maintain its heritage and identity as a comprehensive center of education that serves a dynamic, culturally diverse region. Send letter of application, résumé, copy of transcripts, and have sent three current reference letters to: **Science Education Search Committee, Center for Education and Equity in Mathematics, Science, and Technology, California State Polytechnic University, 3801 West Temple Avenue, Pomona, CA 91768-4033. Telephone: 909-869-4063; website: <http://ceemast.csupomona.edu>.**

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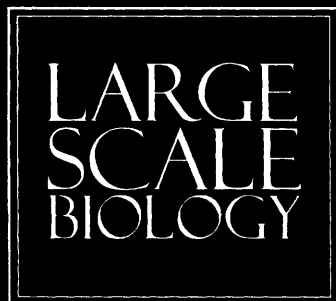
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Senior Scientist/ Postdoctoral Research Associate

Nuclear Receptor Engineering Mammalian Gene Expression

RHeoGene LLC, a joint venture formed by Rohm and Haas Company and Argonex, Inc., is focused on developing tools for human therapeutic and functional genomics applications, including ligand-inducible gene expression systems. We have an immediate opening for a Senior Scientist or Postdoctoral Fellow at the Rohm and Haas Corporate Research Center in Spring House, PA – near Philadelphia.

Projects will center on development and optimization of ligand-receptor and coactivator-receptor interactions in mammalian cell systems; mutagenesis and molecular evolution of receptors for improved properties; and analysis of inducible gene expression in cell culture and animal models.

Qualifications include a Ph.D. degree in molecular biology or biochemistry, or a related science, as well as research experience and publications illustrating strong scientific capability. Postdoctoral experience is required for the Senior Scientist position. Research independence, team skills, and the ability to thrive in an interdisciplinary, entrepreneurial setting are also essential. Experience in nuclear receptor molecular biology or transcription factors is desirable.

Rohm and Haas offers a highly competitive compensation program, including relocation assistance. We are committed to the professional development of our Technology staff. Please forward your CV or resume to: **Technical Recruiting #700, Rohm and Haas Research Laboratories B-70, 727 Norristown Road, Spring House, PA 19477-0904**, or by e-mail to techstaff@rohmmaas.com



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RPI offers a competitive salary and an excellent benefits package, including stock options, stock purchase plan, 401(k) plan and flexible benefits program. For consideration, please send your resume and cover letter indicating job code to: **Ribozyme Pharmaceuticals, Inc., Job Code #: 068, 2950 Wilderness Place, Boulder, CO 80301. Fax: (303) 449-6995. E-mail: jobs@rpi.com.**

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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:

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- 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/>

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CURATOR OF MAMMALS/ASSISTANT PROFESSOR AND CURATOR OF INVERTEBRATES/ASSISTANT PROFESSOR

The Bell Museum of Natural History, the Department of Ecology, Evolution, and Behavior, and the Department of Fisheries and Wildlife announce two tenure track positions. Candidates should have an active, specimen-based research program involving mammals or aquatic invertebrates, emphasizing a conceptual focus (examples include phylogeography, biogeography, conservation, comparative biology, molecular or morphological phylogenetics, or other related topical areas). In addition to maintaining an innovative and extramurally funded research program, the successful candidate will be expected to contribute to the undergraduate and graduate education mission of the University, curate either the mammal or non-insect invertebrate collection (the latter is strongest in molluscs), and help maintain scientific content and accuracy in the Bell Museum's public outreach programs. A Ph.D. is required and post-doctoral experience is preferred.

For a complete position description and application requirements, contact **Rita Lundgren at 612/626-7255 or rita.lundgren-3@tc.umn.edu**. Review of applications will begin 1/12/01.

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HEAD DEPARTMENT OF FISHERIES AND WILDLIFE

The College of Natural Resources at the University of Minnesota has an opening for a Head, Department of Fisheries and Wildlife. The department head is the unit leader and administrative officer and reports directly to the Dean of the College of Natural Resources. Duties include: Academic program leadership in undergraduate and graduate instruction; leadership in departmental research and outreach; administrative leadership and responsibility for all departmental affairs, including academic, personnel, financial and physical resources; leadership in developing and implementing a departmental funding plan, including procuring grant and endowment funds in support of departmental and faculty programs; leadership in coordination and collaboration with other college and University units, natural resource agencies and groups, professional societies, citizen groups interested in fisheries, wildlife and/or conservation, and with the general public; conducting a strong teaching and/or research program in a field appropriate to the departmental mission.

Essential qualifications: Ph.D. or equivalent in natural resources or a closely related field; must qualify for full professor by department and University policies. The position is available July 1, 2001.

Review of applications will begin February 15, 2001. The position will remain open until a suitable candidate is selected. For a complete position description and application requirements, please contact: **Ms. Bobby Berwin, College of Natural Resources, 2003 Upper Buford Circle, 235 NRAB, St. Paul, MN 55108. Phone: 612/624-4250. Fax: 612/624-8701. E-mail: rberwin@cnr.umn.edu.**

UNIVERSITY OF MINNESOTA

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UNIVERSITY OF MASSACHUSETTS LOWELL

The University of Massachusetts Lowell invites applications for several tenure track positions in nanotechnology to participate in a newly formed NanoScience and technology institute for Fall 2001. Specific areas of research and discipline are open. Areas of interest may include biological approaches to nanoscience, polymer science related to the synthesis and characterization of ultrasmall elements for various applications such as optics, electronics, biomedical and other related areas, the characterization and manipulation of materials in the nanoscale domain, and research aimed at combining functionalized organic systems with inorganic materials in novel ways. Minimum requirements include a Ph.D., but postdoctoral experience is preferred. Rank is open, although preference will be given to hiring at the junior level. The University of Massachusetts Lowell is equipped with state-of-the-art facilities for polymer synthesis and characterization, surface analysis, optical spectroscopy and probe microscopies. Positions are contingent upon funding. Candidates should send a curriculum vitae and brief description of research plans, and have three letters of recommendation sent to:

**Prof. Arthur Watterson, Director
Institute of NanoScience and
Engineering Technology
Department of Chemistry
The University of Massachusetts Lowell
One University Avenue
Lowell, MA 01854
E-mail: Arthur_Watterson@uml.edu**



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Postdoctoral Position in Molecular Oncogenesis

A postdoctoral position is available to study the role of chimeric oncogenes created by chromosomal translocations in the genesis of human solid tumors. Ongoing studies of the *EWS/FLI* fusion gene found in Ewing's sarcoma show that this class of oncogene disrupts regulation of transcription, splicing, and differentiation. Related chimeric oncogenes are found in half of all human solid tumors with characterized translocations. The project includes analysis of *EWS/FLI* and related genes in a novel *in vitro* system as well as *in vivo* studies using genetically engineered mice. This position is ideally suited to applicants who have recently received a Ph.D. with experience in molecular biology, biochemistry, cell culture, and/or genetic manipulation in mice.

St. Jude Children's Research Hospital has a highly interactive research environment and state-of-the-art facilities including core laboratories for microarray analysis of gene expression and transgenic/knock-out technology. A competitive stipend and benefits package including funds for professional travel are available.

Interested candidates should send a curriculum vitae and names and addresses of three references to: **Suzanne J. Baker, Ph.D., Department of Developmental Neurobiology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38105.**

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University of Southern California

FACULTY POSITIONS Molecular Biology and Computational Genomics

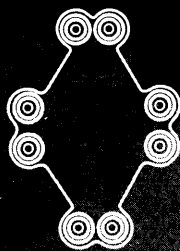
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Please respond to the address below with curriculum vitae and statement of research interests:

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University Park, Los Angeles, CA 90089-1340**

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Assistant/Associate Research Scientists Genetics

You will use *Drosophila* and/or *C. elegans* genetics and molecular biology to characterize therapeutically important biochemical pathways. You should have a BA, BS, MS or equivalent with basic molecular biology techniques and a thorough understanding of genetic principles. Job #00-252/254

Research Scientist Genetics - Drosophila Technology

Coordinating with research groups for *Drosophila* microarray technology, you'll design, perform and analyze experiments and develop technologies to accelerate gene function analysis in *Drosophila*. You should have a PhD or equivalent and 3+ years in *Drosophila* genetics. A background in molecular biology techniques is essential and experience with microarray technology is desirable. Job #00-260

Group Leader Fungal Genetics

Working with colleagues in Genomics, Genetics and Informatics, you will build and develop both yeast and filamentous fungal genetics and implement high-throughput approaches for rapid target identification in a range of programs. To identify new fungicide targets and understand conserved mechanisms of host-pathogen interactions, you will develop new model systems for functional genomics of plant pathogens. You should have a PhD with 8+ years post-graduate experience in yeast genetics and application of high-throughput approaches to model system genetics. Demonstrated ability to lead a multi-disciplinary research team, flexibility and excellent communication skills are essential. Experience in the biology of filamentous fungi or plants is preferred. Job # 00-250

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The award will provide two years of research funding at \$100,000/year for clinical researchers working on innovative approaches to cardiovascular disease, stroke, and sickle cell anemia and other blood disorders (excluding cancers).

Innovative research uses new paradigms to approach problems, develops novel experimental techniques, or adapts existing methods or models developed in other disciplines to solve problems in a new area.

Pairs of investigators working on collaborative cross-disciplinary approaches are encouraged to apply.

Two-page Letters of Intent, due January 29, 2001, will be accepted from individuals and pairs of investigators with an advanced degree (MD, PhD or MD/PhD or the equivalent) working in academic medical centers or other not-for-profit institutions.

The Letters of Intent will be reviewed and selected applicants will be invited to submit short proposals in early March.

Information on all of our award programs can be found at our web site: <http://ddcf.aibs.org>

PROGRAM IN BIOMOLECULAR
STRUCTURE AND FUNCTION

Senior Faculty Position for a Crystallographer

A tenured appointment in the Basic Science Division will be made to an outstanding scientist who uses X-ray crystallography to solve structures of biologically important molecules and thereby gain insight into their function. Areas of interest include, but are not limited to gene regulation, signal transduction, DNA replication, recombination, and repair, and the molecular assembly of cellular organelles. The successful applicant will receive a generous start-up package with which to continue a vigorous research program, and will have the opportunity to assume a leadership position.

Fox Chase has a long history of excellence in biochemistry and structural biology. The Biomolecular Structure and Function group currently includes seven faculty members with exciting research programs that exploit modern tools of biochemistry, solution NMR, crystallography, computational chemistry, and proteomics. Located in suburban Philadelphia, the Center offers a highly interactive, multidisciplinary environment supported by state of the art core facilities, extramural and intramural postdoctoral training grants, endowed fellowships, and an outstanding funding record for investigator-initiated grant applications. To apply please send CV and a description of research interests to: **Dr. Ann Skalka, Senior Vice President, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111.**



See <http://www.fccc.edu/scientific/research/programs>

Fox Chase Cancer Center is an Affirmative Action/Equal Opportunity Employer



Hawaii Pacific University

Chemistry, Environmental Science, & Physics
Faculty Positions

Hawaii Pacific University announces the opening of four full-time, career track positions at the rank of Assistant/Associate Professor beginning August 2001. Two positions are available in chemistry, one in environmental science, and one in physics. Successful applicants are expected to teach lecture & laboratory courses for science majors, and to actively contribute to one or more of the existing degree programs. HPU offers undergraduate science degrees in biology, environmental science, marine biology, oceanography, and pre-medical studies. **Minimum qualifications** for all candidates include a doctoral degree in a relevant discipline and significant experience teaching at the undergraduate level. **Desirable qualifications** include a proven record of research or scholarship and an ability to establish a successful program for their professional development integrating local resources with the university's science degree programs. For **chemistry candidates**, a demonstrated ability to teach environmental chemistry with lab and/or analytical chemistry with lab is desirable. For **environmental science candidates**, extensive professional experience and a demonstrated ability to teach field-based courses are desirable. Qualified individuals are invited to submit their curriculum vitae, evidence of teaching experience, statement of teaching philosophy, and contact information of three references to: **Natural Sciences Faculty Search, c/o Human Resources, Hawaii Pacific University, 1166 Fort Street, Suite 201, Honolulu, HI 96813. E-mail: hr@hpu.edu. Website: www.hpu.edu.** Review of applications will begin January 15, 2001. EOE.

COUNCIL ON SCIENCE AND TECHNOLOGY
POSTDOCTORAL TEACHING FELLOWS PROGRAM
at PRINCETON UNIVERSITY

The Council on Science and Technology at Princeton University is seeking applicants for its Postdoctoral Teaching Fellows Program. The program is designed to provide from one to three years of stipend support to postdoctoral fellows who wish to obtain further training in both research and teaching. The fellows will be involved in curriculum development, instructional laboratory design and lecturing and will work closely with an experienced master teacher. In addition, the Fellow will conduct research in the laboratory of a Princeton University science or engineering faculty member. The goal of the program is to prepare candidates for careers in both research and teaching.

Eligible candidates should have a Ph.D. or equivalent post-baccalaureate degree in one of the physical and natural sciences, or engineering, be interested and have previous experience in undergraduate teaching at a U.S. university. Before applying, applicants must first identify a research mentor from among the Princeton University science and engineering faculty, and obtain his or her agreement to act as research advisor. Applications should include a c.v., publication list, teaching experience, teaching objectives and proposed research plans at Princeton University and three letters of recommendation. Candidates will be evaluated on the basis of their previous teaching and research accomplishments, as well as their proposed research plans at Princeton University (as indicated in the application forms). The stipend will be commensurate with experience. Princeton University is an equal opportunity/affirmative action employer. Applications are currently being accepted for Fellows to begin in the fall of 2001. Review of applications will begin January 1, 2001. Applications can be downloaded from the Council's Web Page (<http://www.princeton.edu/~stcweb/>) or requested from:

Carol Prevost
The Council on Science and Technology
5 Peyton Hall
Princeton University, Princeton, NJ 08544
Tel.: (609) 258-4316, FAX: (609) 258-1020
Email: cprevost@princeton.edu

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CORVAS International is a clinical-stage biopharmaceutical company focused on developing a new generation of drugs to treat cardiovascular disease, cancer, stroke and other major diseases. The company relies on its internal expertise in protease structure and function, protease inhibition, vascular biology, and combinatorial chemistry in developing new therapeutic drug targets. Our scientists utilize their extensive knowledge of the molecular and cellular mechanisms involved in thrombosis, inflammation, cancer, and other major diseases. We have integrated a multidisciplinary approach combining expertise from both the traditional pharmaceutical and biotechnology industries. With two compounds in late-stage clinical evaluation and an exciting pipeline of new product opportunities, we currently seek the following dedicated professionals.

DIRECTOR-LEVEL POSITIONS

These exciting opportunities require a PhD in Molecular Biology, Biochemistry or a related field, as well as outstanding leadership, communication, and writing skills. Substantial supervisory experience leading highly productive groups of 4-10 scientists in an academic or industrial setting is required. Both positions require an established track record of accomplishment reflected in a substantial publication record in peer-reviewed journals. The compensation package for these positions reflects our strong commitment to hiring truly exceptional scientists.

Director of Molecular Biology

The successful candidate will have extensive experience with a broad range of molecular biology techniques including cDNA cloning and site-directed and/or random mutagenesis. Substantial experience with phage and/or other display technologies and *in vitro* evolution of proteins is preferred.

Director of Protein Biochemistry

The successful candidate will have extensive experience with recombinant protein purification and characterization using a variety of protein expression systems. Significant experience identifying novel proteins using state-of-the-art analytical methodology is preferred, along with expertise in kinetic characterization of enzymes and experience with proteases and protease inhibitors.

PHAGE DISPLAY

Senior Molecular Biologist

The successful candidate will have a PhD in Molecular Biology, Biochemistry, or a related field and extensive experience using phage display technologies. Additional experience with ribosome display and/or nucleic acid libraries, as well as *in vitro* evolution methods, is preferred. Supervisory experience is a plus.

ONCOLOGY

Pharmacologist

We seek a motivated individual to join our cancer pharmacology team to conduct *in vivo* experiments to evaluate novel therapeutic anti-tumor strategies. Responsibilities will include establishing and applying animal models to evaluate efficacy of proprietary compounds on tumor growth, angiogenesis and metastasis.

Successful candidates will preferably have a PhD or BS/MS degree with significant relevant experience in pharmacology or a related field and a minimum of 2 years experience in animal research. The ideal candidate will possess significant experience in preclinical oncology models including nude mouse xenograft, as well as small animal techniques such as blood collection, injection, tissue harvesting, catheterization, anesthesia and survival surgery.

ADDITIONAL OPPORTUNITIES

Associate Scientist, Manufacturing

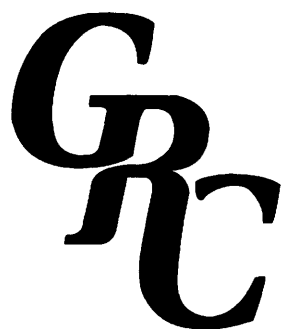
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Supervisor, Quality Control
Sr. Research Scientist, PhD–
Group Leader**

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www.corvas.com

Send CV to careers@corvas.com or to Corvas International, Inc., Attn: Human Resource Dept., 3030 Science Park Road, San Diego, CA 92121, fax: (858) 455-0457. EOE

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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

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Laboratory

Placent**B**lood **P**rogram

EXCITING OPPORTUNITIES FOR PROCESSING TECHNICIANS

The Placental Blood Program is the leading research program in the world for collecting, banking and using stem cells taken from the placentas of newborns, for use in bone marrow transplantations. In the past eight years, 11,000 placental cord blood units have been collected and stored, and 1,000 transplants have been performed worldwide.

Please come join our team of professionals to participate in the sterile processing and cryopreservation of these placental blood units. You will be responsible for preparing multiple test aliquots from the units, following our well developed SOPs and accurately labeling and shipping these units to transplant centers around the world. Your technical skills will have a direct impact in helping us provide optimal, accessible transplants for cancer patients.

We invite applicants who have a college degree (biological sciences preferred), several years of general laboratory work, preferably skilled in blood processing techniques. Previous experience in Cryobiology, Blood Banking, or DNA technology most helpful, but not essential. Good communication and organization skills are required. Basic computer experience, particularly with Oracle system entries, a plus.

We offer a competitive salary and benefits package. Please forward your resume, including salary requirements to: Human Resources Dept-MK, New York Blood Center, 150 Amsterdam Ave., New York, NY 10023; Fax: 212/468-2082; E-mail: careers@ccmail.nybc.org.
EOE M/F/D/V.

Δ Lindsley F. Kimball
Research Institute
A Division of the New York Blood Center

Columbia University Faculty Position

We seek to fill a tenure-track faculty position at the Assistant or Associate Professor level as Head of our Biochemistry Section of the Orthopaedic Research Laboratory in the Department of Orthopaedic Surgery at the College of Physicians & Surgeons, Columbia University. Depending on expertise and interest, the successful candidate may also have a joint academic appointment in the Department of Biomedical Engineering in Columbia's Fu Foundation School of Engineering and Applied Science. Applicant should have a doctoral degree (MD, PhD, ScD or equivalent) in biochemistry, cell biology, cellular and tissue engineering or related discipline; knowledge of basic orthopaedic and musculoskeletal science is desirable. A minimum of 3 years of research and supervisory experience following the doctoral degree is preferred. The successful candidate should have a demonstrated record of pursuing collaborative research with orthopaedic surgeons and biomedical engineers. Experience in obtaining external funding for high quality research is highly desirable. Considerable start-up funds for new equipment, space, postdoctoral fellow and graduate students will be provided. Rank and salary commensurate with experience and record, and will be competitive with nationally competitive programs in orthopaedic research and biomedical engineering. Starting date is July 1, 2001.

Please submit your letter of application, along with your resume, a statement of your research interest, 3 recent publications, and names and addresses of 5 references to:

Dr. Van C. Mow
Director, Orthopaedic Research Laboratory
Department of Orthopaedic Surgery
Columbia University
630 W. 168 Street, BB-1412, New York, NY 10032
email: vcml@columbia.edu
phone: 212-305-1515
fax: 212-305-2741

Columbia University takes affirmative action to ensure equal opportunity for employment. Women and minorities are strongly encouraged to apply.



ANDROLOGY, MALE FERTILITY AND INFERTILITY

A position is available for a **Program Officer in the Reproductive Sciences Branch, Center for Population Research, National Institute of Child Health and Human Development, NIH** with responsibility for research planning, development, and administration of a scientific portfolio of grants and cooperative agreements. Starting salary up to \$100,000.00. Applicants must have a Ph.D. or M.D. and the ability to perform successfully the duties of the position. Professional knowledge in the field of andrology and male fertility/infertility is essential. In addition, knowledge of developmental biology, genetics, or molecular biology is extremely desirable. U.S. citizenship is required.

For a copy of the complete announcement please refer to the NICHD website http://www.nichd.nih.gov/employment/jobs_vacancies.htm or contact Ms. Janice Balin, Personnel Management Specialist, (301) 435-3416 or send e-mail to jbalin@nih.gov

All applications must be postmarked by the closing date of January 31, 2001.

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LINCOLN LABORATORY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

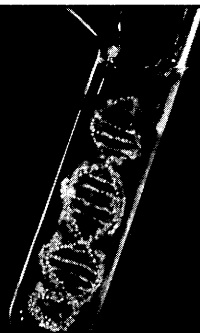
Chemist

BS or MS in Chemistry, Chemical Engineering, Physical Chemistry, or equivalent. Will support laboratory research and development of protocols for the detection and identification of organisms from complex environmental samples. Must have experience in surface chemistry and surface modification techniques, DNA extraction and purification protocols, as well as a strong experimental background in organic/inorganic chemistry. Other desired skills include experience with enzymatic reactions, including PCR, and chemical syntheses. Familiarity with computer systems, electronics, and lasers is a plus. Must be able to work under minimal supervision, be team-oriented, have strong organizational skills, and display an interest in learning. Occasional travel to field sites to gather samples, participate in measurements, and install equipment is required. Job Code: SM00

Please forward your scannable resume with appropriate Job Code, by email, fax, or mail to: resume@ll.mit.edu (ASCII text file); Fax: (781) 981-2011; MIT Lincoln Laboratory, Human Resources, 244 Wood Street, Lexington, MA 02420-9108.

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RESEARCH SCIENTIST Monoclonal Antibodies

In this position you will supervise and work with Associate Scientists in the daily operation generating monoclonal antibodies for therapeutic purposes as well as for research in diverse biological areas and against a variety of targets. Other responsibilities include developing the core's automation capabilities, developing immunization schedules and supervising the running of protein/antibody based ELISAs, cell binding and biological assays using high throughput instrumentation. A PhD and/or 6+ years of demonstrated success in managing an industrial or academic core facility producing and characterizing monoclonal antibodies required. Adapting standard assays to robotic instrumentation for high throughput analysis, designing and implementing cell based, biological and immunochemical assays (using ELISA, FACS, luminiscence and DELPHIA platforms) highly desired. Source Code: RC-A377-SCI

ASSOCIATE SCIENTIST Monoclonal Antibodies

As an Associate Scientist in our hybridoma group, you will generate monoclonal antibodies for therapeutic and research purposes. Other responsibilities include developing immunization schedules and immunochemical and cell based screening assays using a variety of approaches and technologies. Requires a BS/MS and 3+ years of experience producing and characterizing monoclonal antibodies from immunized mice, rats, and hamsters; archiving, producing and purifying antibodies from small culture systems; and a demonstrated proficiency in immunoassay development, including immunochemical and cell based approaches using cell lines. Source Code: RC-A376-SCI

Let yourself be attracted to the intelligence at Biogen. We have one of the strongest financial profiles in the industry and our compensation and benefits package, including equity participation, is unmatched. For consideration, please forward your resume to: Biogen, Inc., Attn: Human Resources, Source Code: _____, 14 Cambridge Center, Cambridge, MA 02142; Email: resumes@biogen.com (Source Code ONLY must appear in the subject line). Biogen is an Equal Opportunity Employer. No phone calls, please.

MIT

FACULTY POSITIONS

The MIT School of Engineering is continuing to build leadership teaching and research programs in bioengineering across a broad range of important new areas.

COMPUTATIONAL BIOLOGY

The MIT Division of Bioengineering and Environmental Health [BEH] and Department of Electrical Engineering and Computer Science [EECS] seek to jointly hire an outstanding faculty member in the area of Computational Biology, with the aim of bringing rigorous computational modeling/analysis approaches to bear on problems and technologies arising from consideration of complex genetic, molecular, and cellular systems. The successful candidate should demonstrate evidence of leadership potential in research and teaching, combining strong expertise in both biology and computational modeling/analysis. Teaching efforts will be shared between BEH and EECS, and research opportunities will be available across a wide spectrum of MIT inter-disciplinary centers and laboratories.

Applicants should submit a curriculum vitae and research/teaching summary, along with suggested references to: Professor D.A. Lauffenburger, Co-Director Division of Bioengineering & Environmental Health, MIT Building 56 Room 341, Cambridge, MA 02139. Review of applications will begin immediately.

MOLECULAR BIOMECHANICS

The MIT Division of Bioengineering and Environmental Health [BEH] and Department of Mechanical Engineering [ME] seek to jointly hire an outstanding faculty member in the area of Molecular Biomechanics, with a focus on mechanical and rheological aspects of biological systems at the cellular and sub-cellular levels. The successful candidate should hold a doctoral degree in an appropriate discipline and have demonstrated evidence of leadership potential in research and teaching, combining strong expertise in experimental microscopic physical or optical technologies and molecular cell biology. Teaching efforts will be shared between BEH and ME, and research opportunities will be available in a variety of MIT laboratories and centers.

Applicants should submit a curriculum vitae and research/teaching summary, along with suggested references, to: Professor R.D. Kamm, Department of Mechanical Engineering and Division of Bioengineering & Environmental Health, MIT Building 3 Room 260, Cambridge, MA 02139. Review of applications will begin immediately.



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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web.mit.edu/personnel/www

Postdoctoral Research Associate Cellular and Molecular Neurobiology of Neural Plasticity Electrophysiology and Biophysics of Ion Channels Department of Neurology Yale School of Medicine

The Department of Neurology and the PVA/EPVA Center for Neuroscience Research, Yale University, invite applications for a position at the Postdoctoral Research Associate level at a competitive salary. Incumbent will work as an integral member of a highly productive multidisciplinary team, utilizing molecular, cellular, and/or electrophysiological methods to study the response of the nervous system to injury. We are particularly interested in candidates who have expertise in patch clamping and/or intracellular recording, molecular anatomy and cell imaging/morphometrics, and/or molecular biology of channels or related molecules (see *PNAS* 96: 7635-7639, 1999; *PNAS* 96: 1088-1093, 1999; and *J. Neurosci* 20:7279-7289, 2000).

Send c.v., letter of interest, and names of three references to: **Stephen G. Waxman, M.D., Ph.D., Chair, Department of Neurology, LCI 708, P.O. Box 208018, New Haven, CT 06520-8018.**

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Group Leader / Cell Assay Screening

In this position, you will lead a team of scientists dedicated to screening the activities of protein therapeutics and monoclonal antibodies in the disease areas of oncology, inflammation/autoimmunity, metabolic disorders and CNS disorders. In addition, the Group Leader will be responsible for the validation of small molecule targets in the above disease areas. The successful candidate will have a Ph.D. in molecular and cellular biology or related fields. Industry experience is preferred with proven expertise in a variety of cell-based assays that utilize FACS, ELISA and antisense technologies.

Job Code: 2000206

Please send cover letter, resume/CV and 3 letters of recommendation and/or references. EOE.

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Email: jobs@curagen.com

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SCIENTIST II, CELLULAR BIOCHEMISTRY (#635)

We seek a productive, goal-oriented individual for a program focused on process development of functionally active protein products for research reagent use. Minimum 3-6 years in an R&D or manufacturing environment is required. Must possess a protein chemistry/biochemistry background w/emphasis on protein purification & characterization. Hands-on experience purifying proteins by conventional methods & by immunoaffinity chromatography highly desirable. Prior management experience also desired. Will initiate, direct & execute Process Development and/or R&D projects for the Cellular Biochemistry group. Compose technical reports, summaries & quantitative analyses. Investigate, create & develop new methods & technologies for project & process advancement. Assist w/ training & guiding team members. PhD in a scientific discipline required.

SCIENTIST I, CELLULAR BIOCHEMISTRY (#729 & #743)

Minimum 1-4 years experience in R&D or post-doc exp. Possess a protein chemistry/biochemistry background with an emphasis on protein purification and characterization. Demonstrated experience purifying proteins by affinity chromatography & conventional methods required. FPLC, LC and HPLC are highly desired. Expertise in protein formulation & stability studies also preferred. Previous experience in a lead or supervisory role. Effective communication & interpersonal skills are key. Exercise judgment in developing methods, techniques & evaluation criteria for obtaining results. PhD in a scientific discipline is required. (2 positions avail)

SCIENTIST I, MOLECULAR BIOLOGY (#577 & #698)

We invite entrepreneurial individuals w/an established track record of sci achievement & expertise in 1 or more of the following: antibody & protein expression, protein engineering, molecular evolution technology, molecular display technology & RNA detection & quantitation. Experience expressing proteins in *E. coli*, Baculovirus, yeast &/or mammalian systems desirable. Preference given to candidates w/proven ability to interact productively in a challenging, rapidly evolving, multidisciplinary environment. Minimum 1-4 years post-doc or industrial experience including background in RT-PCR, cloning & protein expression required. Gene expression analysis & nucleic acid manipulation experience is a must. Responsibilities include molecular technology product development & validation. PhD in Molecular Biology or related science required. (2 positions avail)

Postdoctoral Position

X-Ray Crystallography to Examine Mechanisms of DNA Polymerases & other DNA Repair Enzymes

X-ray crystallography is being used to examine mechanisms of DNA polymerases and DNA repair enzymes. The approach combines crystallography, rapid- and steady-state kinetics, physical biochemistry, and site-directed mutagenesis to understand catalysis and regulation of protein-protein and protein-DNA interactions within macromolecular complexes. Candidates should have strong expertise in protein crystallography and less than five years of postdoctoral experience. Experience with DNA polymerases is not required.

TO APPLY: Submit a cover letter, curriculum vitae, bibliography and the names of three references NLT January 2, 2001 to the following:

Dr. Samuel Wilson
Laboratory of Structural Biology, Mail Drop F3-01
National Institute of Environmental Health Sciences
P.O. Box 12233
Research Triangle Park, NC 27709
USA
e-mail: wilson5@niehs.nih.gov
FAX: 1-(919) 541-3592



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ANGIOGENESIS

RESOURCE CENTER

The Developmental Therapeutics Program (DTP, DCTD, NCI) has recently put into operation its Angiogenesis Resource Center. This effort was recommended by the Advisory Committee to the Director, NCI to facilitate research into the mechanisms of tumor angiogenesis and the development of drugs that target the essential tumor vasculature.

The Center currently serves qualified investigators in the scientific community by providing human umbilical endothelial cells (HUVEC) and the reference agent TNP470. Additionally, anti-angiogenesis testing is available without charge for pure natural products or synthetic compounds submitted by suppliers in universities, research institutes, government agencies, and pharmaceutical or biotechnology companies.

For additional information on receiving any of these supplies and services, please visit our website at <http://dtp.nci.nih.gov>

or contact the following individuals:

Mr. Richard F. Camalier
Biological Testing Branch
DTP, DCTD, NCI
Fairview Center, Suite 205
1003 West 7th Street
Frederick, MD 21701-8527
Tel: (301) 846-5607
Fax: (301) 846-6183
email: camalier@mail.nih.gov

Dr. Ravi K. Varma
Drug Synthesis and Chemistry Branch
DTP, DCTD, NCI
EPN Room 831
6130 Executive Blvd
Rockville, MD 20892
Tel: (301) 435-9159
Fax: (301) 480-4817
email: varmar@dtpepn.nci.nih.gov

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- Developmental Therapeutics Program -

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As a world-class leader in Research and Development, SmithKline Beecham continues to pioneer innovative pharmaceutical and healthcare products and services. We have the following opportunity available at our state-of-the-art suburban Philadelphia, PA facility.

Post-doctoral Research Fellowship

Working in our Cardiovascular Pharmacology Department, the selected candidate will focus on the investigation of thrombosis/hemostasis and vascular biology with an emphasis on studies pertaining to platelet function and blood clotting. You will utilize theoretical and practical knowledge of proteins and enzymology to explore biological mechanisms regulating thrombosis, and additionally will investigate novel approaches for modulating thrombosis in both *in vitro* and *in vivo* modalities. You will also use your practical experience in enzyme kinetics to provide the necessary expertise to configure and implement assays for a variety of proteases involved in blood coagulation. We require a PhD and the ability to communicate and disseminate knowledge and expertise to a multi-disciplinary research team.

SmithKline Beecham is dedicated to an innovative workplace and supports you with career long opportunities and learning. We offer a competitive benefits and compensation package. We have also been named one of the 100 best companies for working mothers as listed by Working Mother magazine 2000. For confidential consideration, please forward your resume to: SmithKline Beecham, Ad Code: 2K1356, P.O. Box 40047, Philadelphia, PA 19106. Indicating Ad Code is essential. Principals only.

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**The University of Texas at
Brownsville and Texas Southmost College**
DEAN
College of Science, Mathematics and Technology

Position

The University of Texas at Brownsville and Texas Southmost College (UTB/TSC) invites applications and nominations for the position of the Dean of the College of Science, Mathematics and Technology. UTB/TSC is seeking an individual with enthusiasm, vision and energy committed to teaching, research and community service in a diverse environment. The selected individual should be able to further the development of existing and emerging programs in research, academic and technical education, and outreach with school districts and industry.

Qualifications

The position requires a Ph.D. in one of the disciplines of the College. Also required are interpersonal and communication skills to articulate and advocate the needs of the College. Also required is a leadership style that focuses on collaboration, consensus and collegiality in an environment of participative faculty governance. A demonstrated record in acquiring external funding is also required.

About the College

The College is comprised of six departments: Biology, Computer Science, Engineering Technology, Industrial Technology, Mathematics, and Physical Sciences. Programs grant certificates at the technical level to degrees at the master's level. The College currently has several externally funded research programs.

About the University

Located on the border with Mexico, the campus is only twenty miles from the resort town of South Padre Island. The school, a Hispanic serving institution with almost ten thousand students, is one of the fastest growing institutions of higher education in the State of Texas.

Contact Information

Position available on August 15, 2001. Applications will be reviewed immediately. Position is open until filled. Applicants should submit a curriculum vitae, cover letter and a list of five professional references including name, address, and phone number.

**Department of Human Resources
The University of Texas at Brownsville
80 Fort Brown, Brownsville, TX 78520**

UTB/TSC does not discriminate on the basis of gender, race, color, religion, national origin, disability, age or veteran status. Women and minorities are encouraged to apply. UTB/TSC is a smoke free institution.

THE UNIVERSITY OF
ARIZONA
HEALTH SCIENCES CENTER

**Arizona Center for
Phytomedicine Research (ACPRx)
Department of
Pharmacology/Toxicology
The University of Arizona
Research Associates**

The ACPRx at the Department of Pharmacology and Toxicology, The University of Arizona is a newly created center to study the biological effects of botanicals that are extensively used by the general population as dietary supplements. The goal of the center is to become the site where the quality and quantity of scientific based knowledge and experience regarding these natural sources is advanced and collated through rigorous research and critical assessment. 2 new positions as Research Associates are currently available. Minimum Qualifications: Ph.D. in Natural Products Chemistry or related field, and experience with modern separation methodologies and analytical techniques. All applicants must have experience in the interpretation of analytical data acquired from NMR, MS, HPLC, GC, LC/MS and LC/MS/MS. For a complete job description, please refer to: www.hr.arizona.edu. (Job #994236)

Please submit cover letter, resume and the names and contact information of three references. To: **Arizona Center for Phytomedicine Research, Dept. of Pharmacology/Toxicology, College of Pharmacy POB 210207, The University of Arizona, Tucson, Arizona 85721. ATTN: Bert Sanchez**

The University of Arizona is an EEO/AA Employer-M/W/D/V.

**DIRECTOR OF SCIENCE,
ECC PROGRAMS**

The American Heart Association seeks a Director of Science for Emergency Cardiovascular Care (ECC) Programs at our National Center in Dallas. Responsibilities include reviewing all ECC texts, scientific statements and audiovisual materials for scientific accuracy, monitoring and reporting developments in the science of resuscitation. Other duties include preparing medical or scientific statements for approval and publication, serving as staff advisor to the ECC committee and subcommittees as well as implementing our goals and planning meetings that further the mission of the program. Will also attend resuscitation science events.



Qualified candidates should have an advanced college degree with advanced training as a health care provider for basic biomedical sciences. A background in resuscitative health care and knowledge of the patho-physiological basis of such practices are necessary. Functional knowledge of current research in resuscitation medicine and equipment is also essential. Must have excellent verbal/written communication, computer and interpersonal skills as well as an understanding of group facilitation and meeting management. A demonstrated history of program development is also necessary.

We offer a competitive salary and comprehensive benefits package. For consideration, please send resume by December 22nd to: **American Heart Association, HR Dept.-E521, 7272 Greenville Ave., Dallas, TX 75231; fax to: (214) 706-1191 or email: aharesume@heart.org**. You may visit our home page at www.americanheart.org. EOE, M/F/V/D

**Dean, College of Natural Sciences
California State University, Chico**

invites applications and nominations for the position of Dean of the College of Natural Sciences. **The College of Natural Sciences** has as its first priority the education of students. The academic departments of the College include Biological Sciences, Chemistry, Geosciences, Mathematics and Statistics, Physics, and the School of Nursing. They offer 9 baccalaureate degrees and 6 master's degrees. The College has 109 full-time faculty, 52 part-time faculty positions, 30 staff members, and a Development Officer. There are 1,074 undergraduate majors and approximately 110 graduate students. The College has a commitment to K-12 education through its Center for Mathematics and Science Education. **Responsibilities:** Provide leadership in teaching, university service, research, and the development of external support, guide academic policy, be responsible for fiscal and personnel management. **Qualifications:** An earned doctorate and academic accomplishments appropriate for faculty appointment at the rank of Professor in one of the academic disciplines in the College is required. Significant administrative experience is preferred. **The search committee will begin to review applications on January 8, 2001 and may consider applications until the position is filled.** Submit a letter detailing qualifications, a curriculum vitae, a statement of administrative philosophy, and a minimum of three letters of reference directly to the selection committee chair: **Rebekah Damazo, Chair, Dean Selection Committee, Office of the Provost, California State University, Chico, Chico, CA 95929-0110.** Information about the University, the College and a detailed position announcement with qualifications is available on the World Wide Web: <http://www.csuchico.edu>. CSU, Chico is an EOE/AA/Title IX employer.

**RENSELAER POLYTECHNIC INSTITUTE
BIOLOGY DEPARTMENT
FACULTY POSITIONS OPEN**

The Biology Department plans to expand as part of an Institute wide effort to develop prominence in biotechnology and life sciences. We are seeking several outstanding biochemists/molecular biologists with interests in areas including signal transduction, control of gene expression, receptor biochemistry and cell cycle regulation. The successful applicants will be expected to develop high quality, extramurally funded individual research programs, and will also play key roles in novel interdisciplinary programs involving faculty from several departments. These positions are available from the assistant professor level to outstanding senior candidates. All candidates must have a Ph.D. degree and postdoctoral experience. Candidates for a junior position should be active and have good potential for sponsored research; candidates for a senior position should have established, funded research programs. Successful candidates will participate in undergraduate and graduate teaching, and assist in expansion of existing graduate (M.S. and Ph.D.) programs.

Review of applications begins 1/08/01 and will continue until the positions are filled. Send CV, statement of research and teaching interests, publication list, and names of three references to **Ms. Jan MacDonald, Assistant to the Chair, Biology Department, 1W14 SC, 110 Eighth Street, Troy, NY 12180-3590.** For additional information about the campus and local area visit the Rensselaer Home Page at www.rpi.edu. Rensselaer Polytechnic Institute is an Equal Opportunity, Affirmative Action Employer. Members of underrepresented groups (including people of color, persons with disabilities, and women) are strongly encouraged to apply.

ProteinChip® Technology!

Ciphergen Biosystems is currently expanding its US and European operations.

We're looking for ambitious, commercially-minded Ph.D. biochemists/biologists with excellent communication skills and proven problem-solving abilities in the following locations:

Boston
Philadelphia
New Jersey
Washington DC
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Atlanta
Denver
Salt Lake City
Orange County-CA
Los Angeles

plus other major European cities in France, Germany, The Netherlands, Switzerland, and Italy.

FIELD SCIENTIST POSITIONS

Preferably you will have substantial experience in Protein Analysis, purification and/or characterization in one or more of the following disciplines:

- Receptor-Ligand Interactions
- Proteomics/Biomarker Discovery
- Immunology
- Protein Chemistry
- Immunoassay Development

Your role will involve working alongside our clients' scientists, in both industry and academia, developing protocols and rapidly solving biological problems using Ciphergen's proprietary ProteinChip® technology.

As well as being a talented research scientist, capable of strong analytical thinking and creativity, you will need good leadership and interactive skills as well as the ability to communicate effectively at all levels. The position involves extensive travel in your local area and occasional trips to Ciphergen's California headquarters.

ENABLING PROTEOMICS AND YOU...

This is a unique opportunity for you to join a dynamic, rapidly-growing company that's leading the way in powering the proteomics marketplace. By working with fellow Ciphergen field scientists and Ciphergen customers, you'll become an integral part of research advancements in the diagnosis, treatment and cure of challenging diseases.

Ciphergen offers an excellent compensation package, including stock options. Discover more about Ciphergen at:

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Submit your resume to:

(U.S.A.) Ciphergen Biosystems, Inc.
Attn: HR-Science
6611 Dumbarton Circle
Fremont, CA 94555

(Europe) Ciphergen Biosystems, Ltd.
Attn: HR-Science
Surrey Technology Centre
The Surrey Research Park
Guildford, Surrey, GU2 7YG



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International Paper Company is seeking qualified individuals for key positions in its Biotechnology Group. All positions require excellent communication skills and the ability to work in a team environment.

Project Leader, Tissue Culture / Somatic Embryogenesis - Responsibilities include development of systems for propagation of gymnosperm and angiosperm tree species using somatic embryogenesis. Qualifications: Ph.D. in the field of plant science and extensive knowledge of developmental plant biology and tissue culture.

Project Leader, Biotechnology - Responsibilities include development of systems for genetic enhancement of forest trees. Qualifications: Ph.D. in molecular biology or a related field and demonstrated contribution toward development of new knowledge in the field of plant transformation. Post-doctoral experience preferred.

Research Associate, Tissue Culture / Somatic Embryogenesis - Responsibilities include assisting the Project Leader in development of propagation systems for gymnosperm and angiosperm tree species using somatic embryogenesis. The person in this position will be responsible for protocol development, data management and analysis. Qualifications: MS in the field of plant science or BS with two years experience, and knowledge of developmental plant biology and tissue culture.

Research Associate, Biotechnology - Responsibilities include assisting the Project Leader in research towards developing genetically enhanced forest trees. Responsibilities include conducting experiments and maintaining proper records. Qualifications: BS or MS in biology, molecular biology, tissue culture or a related field. Laboratory experience in molecular biology and plant tissue culture, including transformation, DNA isolation, and PCR preferred.

Job offers to the successful candidates will be contingent upon successful completion of a pre-employment drug test, verification of a valid driver's license, and compliance with the Immigration Reform Act. For Biotechnology positions, send a cover letter, résumé, and three references to: **Dr. Bryan Kaphammer, International Paper, PO Box 216, Rincon, GA 31326, bryan.kaphammer@ipaper.com**. For Tissue Culture positions, send required information to: **Dr. Kamal Chowdhury, International Paper, 719 Southlands Road, Bainbridge, GA 31717, kamal.chowdhury@ipaper.com**. International Paper is an equal opportunity employer M/F/D/V.

Ground-breaking Research.
Advanced Technology. Dedicated People.

Group Leader Cell Biology

At Axys Pharmaceuticals, our scientific staff employs state-of-the-art biotechnology techniques to develop therapeutic treatments for cancer. If you are committed to quality & excellence, bring your skills & expertise to Axys Pharmaceuticals and play an integral role in our success.

In this pivotal position within our focused Oncology research group, you will lead a research group responsible for developing & implementing new cell-based oncology models to profile drug candidates evolving from ongoing oncology drug discovery programs. In addition, you will coordinate collaborative studies with corporate partners in the oncology area, and play a key role in the evaluation of licensing candidates & the review of drug discovery efforts in the Axys oncology program. A Ph.D. in Cell Biology, Cancer Biology or related biology discipline along with 7-10 years of post Ph.D. experience in the development & implementation of cellular oncology models are essential for success in this position. Experience leading or participating in oncology drug discovery programs and a significant publication record are required.

Besides attractive salaries and outstanding benefits, we offer the opportunity to be part of a dynamic environment that fosters professional & personal growth. Please forward your resume/cv to:

Axys Pharmaceuticals
HR Department
Attn: Job# 00-67-SCI
180 Kimball Way

South San Francisco, CA 94080
Email: human_resources@axyspharm.com



AXYS

We look forward to hearing from you. EOE www.axyspharm.com

**THE OPPORTUNITY OF A LIFETIME.
EVERY DAY.**

POSITIONS OPEN

ASSOCIATE OR FULL RESEARCH PROFESSOR

International Arctic Research Center
University of Alaska
Marine Biogeochemistry
International Arctic Research Center (IARC)
Fairbanks, Alaska

The Frontier Group of the International Arctic Research Center (IARC) at the University of Alaska Fairbanks invites applications for a Research Faculty position (12-month) at the Associate or Full Professor level in the area of marine biogeochemistry. Applicants with expertise in trace substance analysis and/or isotope methodology are encouraged to apply. Experience in relating analytical data to ecological problems and simulation modeling is especially being sought. The successful applicant will also be lead coordinator of the multidisciplinary section (consisting of seven Scientists) within the Frontier Group and will be encouraged to work with Scientists at the UAF Institute of Marine Science and Geophysical Institute who have expertise in various arctic geophysical processes (see websites: www.frontier.iarc.uaf.edu; 8080.ims.alaska.edu; 8000.gi.alaska.edu) and is expected to have a Doctorate in biology, chemistry, or marine science or closely related fields by the time of appointment.

This position is term-funded with an expected duration of five to seven years. Renewal in the second phase of the project is possible.

For purposes of collective bargaining, this position is represented by a union. The successful candidate will be obligated to pay an agency fee to the union as a condition of employment.

Please send a University of Alaska application, letter of application, curriculum vitae, and a statement of research interests and experience to: Ms. Deon MacMillan, Human Resource Manager, Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320 (903 Koyukuk Drive), Fairbanks, AK 99775-7220 U.S.A. Telephone: +1-907-474-6010; FAX: 907-474-7395; e-mail: deon@gi.alaska.edu. Please include names and addresses of at least three persons who will be able to provide letters of recommendation. The UA application and full vacancy announcement can be downloaded at website: http://www.gi.alaska.edu/admin/human_resources. Open until filled. Review of applications to begin January 15, 2001.

The University of Alaska Fairbanks is an Equal Opportunity/Affirmative Action Employer and Educational Institution. Your application for employment with the University of Alaska is subject to public disclosure under the Alaska Public Records Act.

FACULTY POSITION Carnegie Institution Department of Plant Biology Stanford, California

The Carnegie Department of Plant Biology is seeking to fill a **PERMANENT FACULTY POSITION** in the area of plant cell and molecular biology. The search is open with respect to research topic but we are particularly interested in candidates with an active program in some aspect of plant signal transduction. The successful candidates are expected to have a Ph.D. and demonstrated ability to carry out independent and innovative research. The institutional philosophy is to encourage scientific discoveries by providing outstanding individuals with the freedom and long-term support to explore the frontiers of science. Carnegie faculty enjoy complete freedom with respect to the choice of research topic and have no obligatory teaching or administrative responsibilities. Opportunities exist for participation in graduate and undergraduate education through a concurrent courtesy appointment in the Department of Biological Sciences at Stanford University.

Please send curriculum vitae, statement of research interests, and three letters of reference by January 5, 2001, to: Chris Somerville, Carnegie Institution, 260 Panama Street, Stanford, CA 94305.

The Carnegie Institution is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN



Message Pharmaceuticals, Inc., was founded in 1997 to discover small molecules that target RNA/protein interactions for the treatment of a broad spectrum of human disorders. The company has successfully identified compounds capable of altering these interactions for RNAs associated with inflammation, cancer, AIDS, and hyperlipidemia. Message is a rapidly growing company located just outside of Philadelphia, Pennsylvania, and is currently recruiting a Ph.D. **SCIENTIST** with two to five years of industrial experience to work as a **GROUP LEADER** for assay development and high-throughput screening. The successful applicant will have experience with a range of screening formats including but not limited to cell-based, enzymatic, receptor binding, fluorescence, and luminescence assays. Experience working with RNA, RNA binding proteins, HTS instrumentation, and HTS data analysis would be advantageous. Message is seeking outstanding, highly motivated individuals who are interested in being part of our research team. Innovative thinking is essential. Qualified applicants should send a cover letter and curriculum vitae to: **Human Resources, Message Pharmaceuticals, Inc., 30 Spring Mill Drive, Malvern, PA 19355. FAX: 610-695-0957; e-mail: hr@messagepharm.com.**

FACULTY POSITION IMMUNOLOGY/IMMUNOGENOMICS

The Department of Microbiology at North Carolina State University (NCSU) welcomes applications for a 12-month, tenure-track faculty position at the **ASSISTANT PROFESSOR** level. The successful candidate is expected to develop an independent research program in immunology/immunogenomics funded by extramural support, take an active role in the Department's teaching programs, and serve as an advisor to undergraduate/graduate students. Preference will be given to individuals utilizing genomic technologies to study the genes and proteins that mediate the mammalian immune response. The Department of Microbiology has excellent facilities and enjoys interaction with other NCSU departments; interdepartmental programs in biotechnology, immunology, and genomic sciences; regional institutions; and both genomic and biotechnology companies in the Research Triangle Park. Applicants must have a Ph.D. with at least two years of relevant postdoctoral experience. To apply, send curriculum vitae; reprints; statements of research and teaching interests; and names, addresses, telephone, FAX numbers, and e-mail addresses of three persons who may be contacted as references to: **Dr. S. M. Laster, Chair, Faculty Search Committee, Department of Microbiology, Box 7615, North Carolina State University, Raleigh, NC 27695-7615.** Closing date for receipt of all materials is February 1, 2001, or until a suitable candidate is found. *North Carolina State University is an Equal Opportunity Employer and operates under Affirmative Action Policy. The University strongly encourages all qualified applicants.*

University of Saskatchewan: four tenure-track positions at the **ASSISTANT PROFESSOR** rank. Department of Chemistry: Analytical Chemist with research interests in separation chemistry, analytical/environmental, analytical/surface chemistry, or mass spectroscopy. X-ray crystallographer with expertise in X-ray crystallography of biological macromolecules. Department of Biochemistry: NMR Specialist with expertise in the nuclear magnetic resonance spectroscopy of biological macromolecules. Biochemist with research interests in any area of biochemistry. Candidates will possess a Ph.D. and relevant research experience and should have a strong commitment to teaching and to developing vigorous and creative research programs. The full text of this ad and information about the Departments can be found at websites: www.usask.ca/chemistry/ and www.usask.ca/medicine/biochemistry/.

POSITIONS OPEN

DIVISION OF RHEUMATOLOGY

The Division of Rheumatology (website: www.med.ualberta.ca/medicine/rheumatology.htm), Department of Medicine, University of Alberta, is seeking a Clinician/Basic Scientist at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level to develop a research program of relevance to the field of rheumatic disease. Preference will be given to candidates with proven expertise in cellular and molecular immunology. Applicants should have a Ph.D. or M.D. with at least two years of postdoctoral training; MDs should be licensable to practice medicine in Alberta. Applicants will apply for personal support from the Medical Research Council of Canada and the Alberta Heritage Foundation for Medical Research (AHFMR) (website: www.AHFMR.ab.ca/). The divisional laboratory is housed in a state-of-the-art facility (supported by the AHFMR) adjacent to the Department of Medical Microbiology and Immunology and has a well-established program of research in immunogenetics, antigen processing, and advanced therapeutics. The Department of Medicine provides strong support for researchers including a mentoring program, internal reviews of grant applications, and numerous collaborative opportunities in the Department and with other departments. The Department of Medicine has annual research funding of fourteen million dollars. Interested candidates should forward curriculum vitae, a statement of interest, and the names and addresses of three references by January 31, 2001, to: **Dr. A. S. Russell, Director, Division of Rheumatology, 562 HMRC, University of Alberta, Edmonton, Alberta T6G 2R7 Canada. Telephone: 780-407-6296; FAX: 780-407-6055; e-mail: asr@gpu.srv.ualberta.ca.** In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. If suitable Canadian citizens and permanent residents cannot be found, other individuals will be considered. The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of Equity in Employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and aboriginal persons.

FACULTY POSITIONS The University of Texas Southwestern Medical Center at Dallas Center for Immunology

The newly created Center for Immunology at The University of Texas Southwestern Medical Center at Dallas is seeking highly qualified faculty members with research interests in the area of immunology. Researchers in all areas of immunology are encouraged to apply. However, we are particularly interested in Scientists utilizing animal models to investigate human disease processes, chemokine biology, stem cell biology, dendritic cell biology, or the application of microarray technology to the immune system. The Center for Immunology will be recruiting four faculty positions during the next two years. Emphasis will be on identifying candidates at the **ASSISTANT PROFESSOR** level, although highly qualified individuals at all levels are urged to apply. Salary and start-up packages are highly competitive (for more information, go to website: www.swmed.edu/home_pages/scholars/). All applicants must have a Ph.D. and/or M.D. with a productive research program in immunology and an extensive publication record. The appointee will be expected to develop a front-ranked, competitive, independently funded research program in his/her chosen field. Some minor teaching duties are anticipated. Please submit current curriculum vitae, two-page summary of proposed research program and interests, and the names of three references to: **Dr. Edward Wakeland, Director, Center for Immunology, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75390-9093. E-mail: edward.wakeland@e-mail.swmed.edu.** All applications must be received by January 31, 2001. *Equal Opportunity Institution.*

ANTI-PATHOGEN PROGRAM

Postdoctoral Fellowships Starting salaries up to \$40,000

The University of Texas Medical Branch (UTMB) has initiated a multi-disciplinary, multi-investigator program to develop and implement revolutionary proteomic microarray, drug discovery and drug design approaches to detect and combat highly pathogenic microorganisms.

The Anti-Pathogen Program will initially develop countermeasures to pathogens on the CDC "select agent list", including alphaviruses, arenaviruses, flaviviruses, bunyaviruses, *Bacillus anthracis*, *Rickettsia prowazekii* and *Rickettsia rickettsii*, and will eventually encompass the development of diagnostic microarrays and therapeutic drugs for less pathogenic microorganisms such as hepatitis C virus, influenza virus, and *E. coli* O157:H7.

Excellent facilities are available for the Anti-Pathogen Program, including the resources of the WHO Collaborating Center for Tropical Diseases and the Sealy Center for Structural Biology, and construction of a Biosafety Level 4 facility. This program complements a National Center for Defense against Bioterrorism funded by DARPA, DTRA (DoD) and CDC at UTMB, UT Austin, UT SW, Dallas and other institutions.

Qualified postdoctoral fellows will be under the direct supervision of microbiology, infectious disease and structural biology experts involved in this program. These include Drs. Stanley Watowich, Scott Weaver, Robert Shope, David Gorenstein, Judy Aronson, Alan Barrett, Robert Davey, Robert Fox, Norbert Herzog, Bruce Luxon, Juan Olano, C.J. Peters and David Walker.

Postdoctoral applicants must have a strong publication record and research experience in molecular biology, virology, bacteriology or structural biology. Applicants should send curriculum vitae and the names and addresses of three references to: Dr. Stanley J. Watowich, Dept. of Human Biological Chemistry & Genetics, University of Texas Medical Branch, Galveston TX 77555; watowich@bloch.utmb.edu. For more information regarding UTMB's Anti-Pathogen Program, faculty research interests, and facilities, see www.xray.utmb.edu/antipathogen.

UTMB is an EO/AA Employer, M/F/D/V

MEETINGS

MESENCHYMAL AND NONHEMATOPOIETIC STEM CELLS

Recent Progress and Current Controversies

March 22-24, 2001
Hyatt Regency Hotel
New Orleans, Louisiana, USA

Chairs: Edwin Horwitz, MD, PhD, Darwin Prockop, MD, PhD, Armand Keating, MD, FRCP(C), Brian Butcher, PhD and Malcolm Brenner, MB, FRCP, FRCPath

ABSTRACT DEADLINE - JANUARY 31, 2001

CONFIRMED SPEAKERS

KEYNOTE SPEAKER: John Gearhart

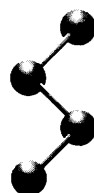
Malcolm Brenner	Don Phinney
Alan Flake	Darwin Prockop
Adrian Gee	Pamela Robey
Stanton Gerson	Paul Schwarzenberger
Emanuela Gussoni	Paul Simmons
Edwin Horwitz	Evan Snyder
Kathyjo Jackson	Gary Stein
Armand Keating	James Triffitt
David Panchision	Catherine Verfaillie

Sponsored by Tulane University Health Sciences Center, St. Jude Children's Research Hospital and the International Society for Hematotherapy and Graft Engineering (ISHAGE)

Meeting information, registration, hotel and abstract forms may be downloaded from the ISHAGE website at www.ishage.org. For further information contact **Edwin Horwitz, MD, PhD, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, Tennessee, USA, 38105. Tel: 901-495-2746; Fax: 901-495-2176; Email: edwin.horwitz@stjude.org**

PROGRAMS

FALL 2001 Ph.D. PROGRAMS



T H E

S C R I P P S

R E S E A R C H

I N S T I T U T E

- Chemistry Program
- Macromolecular & Cellular Structure & Chemistry Program

The Scripps Research Institute (TSRI) will admit highly qualified students in the Fall of 2001 to two Ph.D. Programs: one integrating cell and molecular biology with structure and chemistry, and the other in chemistry.

Since its establishment in 1961, The Scripps Research Institute has gained international recognition for its basic research in chemistry, structural, molecular and cell biology. Graduate studies at TSRI provide an exceptional training opportunity in a uniquely multidisciplinary environment with an emphasis on individualized training for each student.

Candidates must have a bachelor's degree and a strong background in biology and/or chemistry. Qualified applicants will be invited to visit the Institute. Financial support will be provided to all students who are accepted into the programs.

Individuals interested in applying to either program should visit the web site: <http://www.scripps.edu> or contact **The Office of Graduate Studies, The Scripps Research Institute, 10550 North Torrey Pines Road (TPC 19), La Jolla, CA 92037. Tel: (858) 784-8469.** The application deadline is January 1, 2001.

TSRI's graduate programs are accredited by the Western Association of Schools and Colleges. TSRI is an equal opportunity institution.

POSITIONS OPEN

The Department of Microbiology at the University of Manitoba invites applications for a full-time, tenure-track position subject to final budgetary approval at the **ASSISTANT PROFESSOR** level commencing April 1, 2001, or on a date mutually agreed upon. Minimum qualifications are a Ph.D. in molecular genetics or allied discipline, postdoctoral experience, and evidence of a strong research potential. Expertise in the area of molecular biology or molecular genetics of microorganisms is preferred. Duties will include undergraduate teaching, graduate teaching and supervision, research, and service-related activities.

The Department currently has 12 full-time tenured and tenure-track faculty members and two Instructors and offers a full range of both undergraduate and graduate programs in biochemistry, microbiology, biotechnology, and genetics. The Department has a well-established and equipped research facility. Further information about the Department and the University can be obtained from **website: <http://www.umanitoba.ca/>**.

Applicants should send curriculum vitae, a description of teaching philosophy, a summary of research interests, and an NSERC-style research proposal to the address below. Applicants should also arrange to have three letters of reference sent to the same address. The closing date for applications is January 22, 2001.

Dr. P. C. Loewen
Department of Microbiology
University of Manitoba
Winnipeg, MB
R3T 2N2 Canada

Further information about the position can be obtained from e-mail: **Peter.Loewen@umanitoba.ca**; Telephone: 204-474-8334. The University of Manitoba encourages applications from qualified women and men including members of visible minorities, aboriginal peoples, and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

ASSISTANT PROFESSOR PLANT BIOLOGY

The Department of Biology at William Paterson University invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level starting September 1, 2001. We seek broadly trained candidates with expertise in plant biotechnology or plant ecology with a molecular focus. The successful candidate is expected to teach general botany, plant physiology, and advanced courses in his/her specific area of expertise. Candidates must demonstrate a commitment to research involving the participation of graduate and undergraduate students. Ph.D. required and postdoctoral research and teaching experience highly desirable.

Applicants should submit curriculum vitae, statement of research interests, and have three letters of recommendation sent to: **Dr. Jane R. Voos, Chair, Department of Biology, William Paterson University, 300 Pompton Road, Wayne, NJ 07470**. Search will continue until position is filled.

MOLECULAR BIOLOGIST GENETICIST North Park University, Chicago

Tenure-track position in biology beginning August 2001. Ph.D. in biology desired. A.B.D. will be considered. Rank and salary negotiable. Must have demonstrated ability as a teacher and scholarly promise. Teach introductory courses in genetics and cell biology as well as advanced courses in molecular biology. North Park is owned and operated by the Evangelical Covenant Church. It is affiliated with AuSable Institute, Shedd Aquarium ACCA Consortium, and several research hospitals in the Chicago area. To apply, send letter of application, résumé, transcripts, and the names of four references to: **Alice Iverson, North Park University, 3225 West Foster Avenue, Chicago, IL 60625-4895**. Telephone: 773-244-5654; FAX: 773-244-4952; e-mail: **aiverson@northpark.edu**. North Park is an Equal Opportunity Employer.

POSITIONS OPEN

INDIANA UNIVERSITY SCHOOL OF MEDICINE DEPARTMENT OF PSYCHIATRY

Indiana University School of Medicine Department of Psychiatry is seeking a senior faculty member (to be appointed at the level of **ASSOCIATE PROFESSOR** or **PROFESSOR** with tenure) to lead neuroimaging research in psychiatric disorders.

This recruitment is part of a major initiative by the School of Medicine to establish a state-of-the-art neuroimaging laboratory as part of a Center for Biomedical Imaging administered through the Department of Radiology.

Emphasis will be placed on previous experience with positron emission tomography (PET) and magnetic resonance imaging (MRI), although experience with other modalities will also be viewed favorably. The primary faculty appointment will be in the Department of Psychiatry with secondary appointments possible. A record of success in securing extramural research funding will be an important criterion. M.D. and/or Ph.D. required.

Send letter of interests and curriculum vitae to: **John I. Nurnberger, Jr., M.D., Ph.D., Assistant Chair for Research, Indiana University Medical Center/Institute of Psychiatric Research, 791 Union Drive, Indianapolis, IN 46202-4887**. Website: **www.iupui.edu/~psych/**. Indiana University is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Females/Disabled.

ELECTROPHYSIOLOGIST COMPUTATIONAL NEUROSCIENCE

Thomas Jefferson University has a project focusing on the study of neurons that control cardiovascular and respiratory function. The sole requirement for this position is two years of experience in whole cell recording techniques (current/voltage clamp) *in vitro* (preferably from neurons). Our laboratory uses different *in vivo* techniques including intracellular/extracellular recordings and optical recordings of neural activity as well as computational modeling of neural networks, all directed toward understanding how the nervous system makes the appropriate computations that underlie behavior and support life. Qualified candidates should have either an M.S. plus two years of experience or a Ph.D. in neuroscience, physiology, biophysics, cell biology, bioengineering, or related fields. Experience with *in vivo* and computational techniques is desirable but not necessary. Qualified candidates should send curriculum vitae, summary of research experience, research career objectives, and names of three references to: **Robert F. Rogers, Ph.D., Department of Pathology, Anatomy, and Cell Biology, Thomas Jefferson University, 1020 Locust Street, Philadelphia, PA 19107**. E-mail: **Robert.Rogers@mail.tju.edu**. Equal Opportunity Employer.

FACULTY POSITION IN PHARMACOLOGY

The Department of Pharmacology and Physiology invites applications for a tenure-track faculty position at the level of **ASSISTANT PROFESSOR**. The successful applicant will be expected to develop an extramurally funded research program and contribute to medical and graduate teaching. Individuals with diverse interests in pharmacology are invited to apply. Those with interests that complement our current focus in neuropharmacology are especially encouraged. Send curriculum vitae, a brief description of research accomplishments, future research plans, and the names and contact information of three references to: **Human Resources, Oklahoma State University College of Osteopathic Medicine, 1111 West 17th Street, Tulsa, OK 74107**. Pharmacology information at **website: <http://osu.com.okstate.edu/PharmPhys>**. Affirmative Action/Equal Opportunity Employer. Candidates must be eligible for employment under the Immigration Reform and Control Act.

POSITIONS OPEN

The Department of Veterinary Medicine, University of Nevada, Reno, seeks to fill two full-time (12-month) tenure-track research/teaching positions in animal genomics beginning April 1, 2001. Position One is at the level of **ASSISTANT/ASSOCIATE PROFESSOR**. Position Two is at the **ASSISTANT/ASSOCIATE/FULL PROFESSOR** level. Candidates must have a Ph.D. or international equivalent and demonstrated research emphasis in quantitative or molecular genomics (Assistant/Associate) or developmental genomics (Assistant/Associate/Full). The successful candidates will join a group committed to research on domestic animal species of economic importance and be expected to establish a strong, extramurally funded research program. Participation in interdepartmental collaborative research, teaching, and advisement of undergraduate and graduate students is expected. Rank and salary will be commensurate with qualifications and experience. For complete position announcement and requirements, contact: **Nancy Dondero**; e-mail: **njones@mail.ag.unr.edu**. Applicants should submit (1) a brief narrative summary outlining experience, qualifications, and research interests; (2) a comprehensive list of publications; and (3) names, addresses, and telephone numbers of three persons who may be contacted for letters of recommendation if requested by the Search Committee. Send materials to:

Nancy Dondero
Search Secretary
University of Nevada, Reno
Department of Veterinary Medicine/MS 202
Reno, NV 89557-0104

For complete position announcement and requirements, contact: Telephone: 775-784-6135/6644; FAX: 775-784-1375; e-mail: **njones@mail.ag.unr.edu**; website: **www.ag.unr.edu/coa/employ.htm**. Applications received by February 1, 2001, will be given full consideration.

NEUROBIOLOGY: The Department of Biology at Whitman College seeks a Neurobiologist for a tenure-track appointment at the **ASSISTANT PROFESSOR** level starting August 2001. The successful applicant will teach one semester of the biological principles introductory course with laboratories, an upper-level neurobiology course with laboratory, an upper-level developmental biology course with laboratory, and will supervise student research. Ph.D. required. Whitman College has a strong commitment to undergraduate teaching, research, and student advising in a liberal arts environment. Send curriculum vitae, three letters of recommendation, transcripts from all postsecondary institutions, statements of teaching and research interests, and evidence of excellence in teaching to: **Heidi E. M. Dobson, Chair of the Search Committee, Department of Biology, Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362**. Telephone: 509-527-5141; FAX: 509-527-5904; e-mail: **dobsonhe@whitman.edu**. Closing date: Friday, January 15, 2001. Further information about Whitman College at **website: <http://www.whitman.edu/>**. Equal Opportunity Employer. Candidates must be lawfully employable in this country as a result of citizenship, visa, or resident alien status.

FACULTY POSITION CASE WESTERN RESERVE UNIVERSITY

The Gastroenterology Division invites applicants for a tenure-track position at the **ASSISTANT, ASSOCIATE or FULL PROFESSOR** level in the field of cellular and molecular biology of mesenchymal cells, extracellular matrix, and fibrosis. CWRU has a strong tradition of research in intestinal immunity and inflammation. Applicants must have a Ph.D. or M.D. and be interested in joining a team of Scientists supported by an NIH program project on pediatric inflammatory disease. Applicants should send curriculum vitae, statement of research interests, and names and addresses of references to: **Claudio Fiocchi, M.D., CWRU School of Medicine, 10900 Euclid Avenue, Cleveland, OH 44106-4952**. The University is an Equal Opportunity/Affirmative Action Employer.



Virginia Commonwealth University

MOLECULAR BIOLOGIST IN DNA REPAIR AND SIGNAL TRANSDUCTION

The Departments of Radiation Oncology (www.radonc.rdo.vcu.edu) Pharmacology, and Toxicology and the Massey Cancer Center at the Medical College of Virginia at Virginia Commonwealth University invite outstanding applications for a tenure-track faculty position as Assistant/Associate Professor. The successful applicant, with a Ph.D. and/or M.D. degree and several years of post-doctoral experience, is expected to develop an independent and extramurally funded research program, to develop research collaborations with other members of the program and to teach post docs, medical residents, and graduate students. The successful applicant is expected to complement a highly interactive, multidisciplinary program that investigates the molecular mechanisms of signal transduction, cell proliferation, and apoptosis underlying tumor radioresistance, and applies novel approaches to radiation treatment using drugs and gene therapeutic tools. Applicants with interests in DNA repair, signal transduction, and cellular redox effects are particularly encouraged to apply. Applications should include a CV, reprints of publications, a statement of research plans, and three letters of recommendation. This material should be sent to: **Kristoffer Valerie, Ph.D., Department of Radiation Oncology, Virginia Commonwealth University, P.O. Box 980058, Richmond, VA 23298-0058**

VCU is an Equal Opportunity / Affirmative Action Employer

Cooperative Extension Specialist in Plant Biotechnology

**Fax (909) 787-4437
Voice (909) 787-4401**

The Department of Botany and Plant Sciences invites applications for an Assistant or Associate level Cooperative Extension Specialist (75%) with a 25% appointment in the Agricultural Experiment Station. This is an 11-month academic career track appointment to begin July 1, 2001. The salary scale is equivalent to the corresponding rank in the UC professorial series. In collaboration with other Cooperative Extension Specialists the appointee will lead development of a statewide extension education and research program that informs farm advisors, growers, and the public about biotechnology issues such as the advantages and risks of genetically engineered crops. The appointee is also expected to develop an innovative, independent research program that uses plant transformation and/or other biotechnology methods to develop new crop varieties that complement existing programs, and may conduct field research to evaluate genetically engineered crops. Opportunities exist for interaction with UCR researchers in the Departments of Botany and Plant Sciences, Entomology, Environmental Sciences, Nematology, and Plant Pathology (see web site listed below). The campus is building a new plant transformation laboratory and greenhouse and developing a Genomics Institute. Cooperative Extension, part of the Division of Agriculture and Natural Resources of the University of California, has a national reputation for innovative and independent research and extension programs. Statewide workgroups in biotechnology and related areas facilitate communication and collaboration with other researchers and farm advisors and appropriate clientele. Funding opportunities exist from State and Federal agencies, the California agricultural industry, and private individuals and groups. Opportunities exist for supervising graduate students. Applicants must hold a Ph.D. related to plant biotechnology and have postdoctoral experience. Evaluation of applications will begin February 5, 2001 and continue until the position is filled. Interested individuals should submit (1) a letter of application, (2) curriculum vitae, (3) statement of research and educational interests, and (4) the names and addresses of at least three references to: **Dr. Eugene A. Nothnagel, Chair, Department of Botany and Plant Sciences, University of California, Riverside, CA 92521-0124. e-mail: nothnagl@citrus.ucr.edu**. For additional information on the Department and campus visit <http://cnas.ucr.edu>.

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



UNIVERSITY OF
RHODE ISLAND

Dean, College of Pharmacy

The University of Rhode Island invites applications and nominations for the position of Dean of the College of Pharmacy. The Dean is the Principal Administrative Officer of the College and reports directly to the Provost and Vice President for Academic Affairs of the University. The University of Rhode Island is a land grant, sea grant, and urban grant institution enrolling approximately 10,320 undergraduate and 3,115 graduate students with a full-time faculty of 615. Candidates are invited to view additional information at the University's website: <http://www.uri.edu> and the College of Pharmacy website: <http://www.uri.edu/pharmacy/>.

COLLEGE OF PHARMACY

The College of Pharmacy offers the Doctor of Pharmacy, MS, and PhD degree in Pharmaceutical Sciences. The College has 35 full-time faculty and 12 professional staff organized into three departments: Biomedical Sciences, Applied Pharmaceutical Sciences, and Pharmacy Practice. Areas of concentration in the Biomedical Sciences include pharmacology and toxicology, medicinal chemistry, and pharmacognosy. The Applied Pharmaceutical Sciences include concentrations in pharmaceuticals, pharmacy administration, cosmetics and personal care products technology, regulatory affairs and pharmacoepidemiology and pharmacoconomics. The Department of Pharmacy Practice maintains affiliations with over 250 hospitals, community pharmacies, and other healthcare settings throughout Rhode Island and New England. These affiliations provide faculty and students with diverse practice, research, and educational opportunities in managed care, community pharmacy, community hospitals, academic medical centers, and long-term care institutions. The College is also actively involved in numerous outreach programs in areas of pharmacy practice and provides many continuing education programs to pharmacists in Rhode Island and surrounding states. The College is the site of The Rhode Island State Crime Laboratory, and the Heber W. Youngken, Jr. Medicinal Plant Garden.

QUALIFICATIONS

Candidates shall possess an earned Doctoral degree and be a U.S. licensed Pharmacist. The successful candidate will have: 1) a significant record of professional achievement appropriate for appointment as a Professor in the College of Pharmacy; 2) a strong background in pharmacy education, teaching, research and administrative experience (at least 5 years); 3) a strong commitment to raising funds through advancement activities; 4) a clear understanding of the profession of pharmacy; 5) a commitment and vision in advancing the practice of pharmacy and research in the pharmaceutical sciences; 6) excellent interpersonal skills and sensitivity needed to manage a college of students, faculty, and staff from diverse backgrounds; 7) a commitment to gender equity issues; 8) the leadership skills in pharmacy to represent the College locally, nationally and internationally; and 9) a strong commitment to maintain the College's reputation for excellence in scholarship, education and practice. Preference will be given to candidates who have practiced in Pharmacy.

APPLICATION PROCESS

Screening of applications and nominations will begin on **December 29**, and will continue until the position is filled. Candidates should submit a letter of application and curriculum vitae, and the names and addresses of five references to: **Winifred Brownell, Search Committee Chair, (Log #SM161113), UNIVERSITY OF RHODE ISLAND, P.O. Box G, Kingston, RI 02881**. The University of Rhode Island is an AA/EEO employer and is strongly committed to achieving excellence through increased diversity of its faculty, staff, and students. Women, ethnic minorities, and individuals from under-represented groups are encouraged to apply.

POSITIONS OPEN

ASSISTANT/ASSOCIATE/FULL PROFESSOR POSITIONS IN BIOENGINEERING College of Engineering/College of Medicine University of Illinois at Urbana-Champaign (UIUC)

Full-time tenure-track or tenured faculty positions beginning August 2001 in Department of Bioengineering being formed in the College of Engineering to complement campuswide initiatives in biotechnology and information technology. Minimum qualifications: Doctorate in bioengineering or related field and potential for outstanding research and teaching. Rank and salary commensurate with level of nationally/internationally recognized achievements. Relevant areas of expertise include bioinformatics/computational biology, bioMEMS/microanalytical systems, cell/tissue/molecular engineering, and bioimaging. UIUC offers exceptional opportunities for innovative individual and collaborative research at the forefront of bioengineering including possible affiliations with the Biotechnology Center, the Post-Genomics Institute, the National Center for Supercomputing Applications (NCSA), and the Beckman Institute for Advanced Science and Technology. Curriculum vitae, statement of research goals, and three letters of reference should be sent to: **Bioengineering Search Committee, University of Illinois at Urbana-Champaign, 53 Everitt Laboratory, MC-702, 1406 West Green Street, Urbana, IL 61801 U.S.A.** For further information, Telephone: 217-333-1867; e-mail: bioen@uiuc.edu; website: <http://www.ece.uiuc.edu/bioen/>. To ensure full consideration, applications must be received by December 20, 2000. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. Later applications will be considered until all positions are filled. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

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.oucm.ohio.edu/dbms. *Ohio University is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR, CELL BIOLOGY: Tenure track starting August 2001; Arkansas State University. Requirements include a Ph.D. with a specialty in cellular and/or molecular biology, record of publication, and good communication skills. Teaching responsibilities include cell biology courses and upper-level courses within specialty. Student advisement, research activities, and involvement with graduate programs are also expected. Submit a letter of application, teaching philosophy, research interests, curriculum vitae, transcripts, and contact information for five references to: **Chair of Cell Biology Search Committee, Department of Biological Sciences, Arkansas State University, State University, AR 72467.** Website: www.astate.edu/docs/acad/academics/jobs.htm. Review of applications will begin January 15, 2001. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ENDOWED CHAIR IN EVOLUTIONARY BIOLOGY

The Department of Ecology, Evolution, and Behavior at the University of Minnesota invites applications for a senior-level appointment in evolutionary genetics (**ASSOCIATE or FULL PROFESSOR** with tenure). We are seeking an individual with a strong record of research on the genetic basis of evolutionary change or the evolution of genetic processes. The successful candidate will join an interactive group of faculty whose research encompasses population and quantitative genetics, molecular evolution, evolutionary genomics, coalescent theory, evolution of interactions among organisms, systematics, evolution of behavior, and history of evolutionary biology. For more information please see website: <http://cbs.umn.edu/eeb/>.

The holder of this Endowed Chair will be expected to maintain a strong research program addressing fundamental evolutionary questions and to participate in teaching and graduate training. The endowment provides resources in support of research. This individual will also be expected to contribute, via service, to the governance of the Department and university.

Applications, including curriculum vitae, statement of career interests, names and addresses of three sources for recommendations, and copies of no more than 10 publications should be sent to: **Chair, Evolution Search Committee, 100 Ecology, 1987 Upper Buford Circle, St. Paul, MN 55108.** Application review will begin on January 15, 2001.

The University of Minnesota is an Equal Opportunity Educator and Employer.

CHAIRPERSON DEPARTMENT OF CHEMISTRY MOREHOUSE COLLEGE

Morehouse College invites applications for the position of chairperson of the Department of Chemistry to begin July 31, 2001. Applicants should hold a Doctorate in chemistry and have appropriate research and teaching experience to qualify for a tenured appointment at either the **ASSOCIATE or FULL PROFESSOR** level. The Chemistry Department, which is approved by the American Chemical Society, has a tradition of preparing students for graduate work. As an undergraduate institution, Morehouse values excellent teaching and mentoring. The successful applicant would be expected to maintain an active research laboratory, have a strong commitment to enhancing the research capacity of the Department, and to assume a leadership role in ensuring that instruction is consistent with the best ideas on pedagogy. For more information on the Department and College, visit our website: <http://www.morehouse.edu>. Please submit full curriculum vitae, graduate school transcript, and the names of three references by January 31, 2001, to:

**J. K. Haynes, Ph.D.
Dean, Division of Science and Mathematics
Morehouse College
830 Westview Drive, S.W.
Atlanta, GA 30314**

Morehouse College is an Equal Opportunity Employer.

The University of Alabama at Birmingham is seeking applicants for an open rank **RESEARCH FACULTY POSITION** in the Section of Interventional Cardiology. Academic rank will be dependent upon the level of experience of the candidate in either a tenure- or non-tenure-track position. The successful candidate will be expected to develop an independent and funded research program and collaborate with a highly interactive and productive group of Investigators in the area of vascular biology. Excellent laboratory space and generous start-up funds are available. Please send curriculum vitae, letters from three references, and a brief statement of your research interests to: **Robert C. Bourge, M.D., Director, UAB Station, Birmingham, AL 35294-0006.** *University of Alabama at Birmingham is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSORS Functional Morphology Invertebrate Zoology Plant Physiology/Phycology

Tenure-track starting August 2001. Ph.D. and evidence of excellent teaching required. More information: website: <http://www.wiu.edu/users/mibiol>. Persons hired will direct M.S. students and undergraduates (including Honors) in their research. (1) **FUNCTIONAL MORPHOLOGIST** with research program in vertebrate functional morphology; teach general biology, evolutionary biology, embryology, and comparative anatomy. (2) **INVERTEBRATE ZOOLOGIST** with research program on an invertebrate group; will interface with active field studies program, teach general biology, invertebrate zoology, and entomology (emphasis on Midwestern taxa). (3) **PLANT PHYSIOLOGIST/PHYCOLOGIST** with research program in phycology; teach general biology, cell biology, plant physiology, and phycology. Those experienced in evolutionary biology are encouraged to apply for any position. Availability of positions contingent upon funding. Deadline for applications: December 15, 2000. Send transcripts, curriculum vitae, publications, statements of teaching and research interests, and three letters of reference to: **Dr. L. M. O'Flaherty, Chair of Biological Sciences, Western Illinois University, 1 University Circle, Macomb, IL 61455-1390.** *Western Illinois University is an Affirmative Action/Equal Opportunity Employer.*

SENIOR RESEARCH ASSOCIATE CORNELL THEORY CENTER

Design and implement algorithmic approaches to computational genomics problems in consultation with Biological Researchers and Computational Scientists with an emphasis on developing Web and net computing tools on desktop and high-performance computers. Possible research areas include but are not limited to (1) gene annotation, (2) statistical genomics, and (3) microarray analysis. Provide leadership and coordination for bioinformatics unit.

Requirements: Ph.D. in computer science, mathematics, or physical science; one year of postdoctoral experience. Extensive Java/C++ programming experience is necessary. Working knowledge of concepts and terminology in applied mathematics, statistics, and molecular biology essential. Must be interested in working on multiple interdisciplinary research projects. Must have excellent oral and written communication skills.

Send cover letter and curriculum vitae to: **Jamie Washburn, Cornell Theory Center, 514 Rhodes Hall, Ithaca, NY 14853.**

Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator.

ASSISTANT PROFESSOR: The State University of New York at Potsdam invites applications for an Assistant Professor of genetics beginning August 2001. Qualifications include (1) a Ph.D. in biological sciences with an emphasis in genetics, (2) demonstrable record of excellence in teaching, and (3) the ability to conduct research that involves undergraduates. Interest in using molecular techniques preferred. The successful candidate will teach undergraduate biology majors in courses such as genetics, introductory biology, and upper-level electives in an area of specialty. Additionally, the successful candidate will be expected to offer a course for nonmajors.

Please send a letter of application, curriculum vitae, names and contact information of three references, a statement of philosophy of teaching and learning, a statement of research interests, and a copy (unofficial) of transcripts to: **Dr. Laura Rhoads, Chair of Search Committee, Biology Department, SUNY Potsdam, Potsdam, NY 13676.** For more information on the Biology Department, please visit website: <http://www.potsdam.edu/BIOL/BIOL/home.html>.

Applications must be postmarked by December 30, 2000. *SUNY Potsdam is an Affirmative Action/Equal Opportunity Employer committed to excellence through diversity.*

**University of Colorado Health
Sciences Center, School of
Pharmacy**

**Faculty Positions
(Assistant Professor)**

The Department of Pharmaceutical Sciences is a research intensive department of 20 faculty focusing research efforts in the areas of molecular toxicology, pharmaceutical biotechnology, biomolecular structure and the experimental therapeutics of anticancer agents (see www.uchsc.edu/sp/sp-faculty/faculty.html). We are seeking applicants at the level of **assistant professor** with an established record of scientific excellence in the following areas:

Molecular Toxicology. Areas of interest include pharmacogenetics and mechanisms underlying individual susceptibility to toxicity, although outstanding applicants with expertise in other areas of molecular toxicology will also be considered. The successful applicant will contribute to both Ph.D. and Pharm.D. training in toxicology.

Immunopathology/Immunotoxicology. Areas of interest include immunological mechanisms underlying toxicity although outstanding applicants with expertise in other areas of mechanistic toxicology will also be considered. The successful applicant will play an important role in Ph.D. training in toxicology and Pharm.D. teaching in immunology.

Pharmacology. Candidates should be able to interface with ongoing faculty research interests in signal transduction, molecular structure or cancer pharmacology. The successful applicant will contribute to Ph.D. training and Pharm.D. teaching in cancer pharmacology and/or neuropharmacology.

Biophysical Chemistry of Macromolecules. Areas of interest include molecular and thermodynamic analysis of structure-function relationships, thermodynamics and kinetics of macromolecular stability and macromolecule-ligand interactions. The successful candidate will contribute to the research and graduate educational programs of the Center for Pharmaceutical Biotechnology. Senior level candidates with outstanding research programs may also be considered for this position.

Successful candidates will be expected to develop outstanding, extramurally funded research programs. Send letter of interest, CV and contact information for three references to: **Carol Carper, Faculty Search (specify the search), Department of Pharmaceutical Sciences, School of Pharmacy, C238, University of Colorado Health Sciences Center, Denver, CO 80262** or e-mail to Carol.Carper@UCHSC.edu. Review of applications will begin February 1, 2001 and will continue until the positions are filled.

The University of Colorado Health Sciences Center is committed to equal opportunity and affirmative action.

CNS Research at DuPont Pharmaceuticals

DuPont Pharmaceuticals currently has several Ph.D. positions available for individuals to join our team and apply their knowledge and experience to the discovery of novel medications to treat important medical needs. These positions are with our Central Nervous Systems Diseases group, working in our recently renovated Glenolden Laboratory, located 20 minutes from Philadelphia.

Our ideal candidates hold a relevant doctoral degree along with a minimum of 3 years postdoctoral experience in industry or academic environments working in one of the following areas:

- **CNS Pharmacology and Neurochemistry**
- **Molecular & Cellular Neuroscience**
- **Behavioral Studies**

A specialized knowledge in any of the following would be an asset:

- **Alzheimer's and other neurodegenerative disorders**
- **Anxiety/Depression**
- **Obesity/Feeding regulation**

Our future is in the hands of the individuals who make up our company. Our commitment to our employees includes an excellent salary and a comprehensive benefits package. To apply, please forward your cover letter and resume to: **DuPont Pharmaceuticals Company, Attn. Human Resources - AMS-CNS, Experimental Station, E400/2413, Route 141 and Henry Clay Rd., Wilmington, DE 19880; e-mail: AMSResume@dupontpharma.com.** An Equal Opportunity Employer.



DuPont Pharmaceuticals Company



DRI Seeks Associate Research Professor for Division of Atmospheric Sciences

This position in our Environmental Analysis Facility (EAF) will perform a wide range of tasks, including x-ray analysis of air quality samples, business development and proposal generation, budget development and tracking, project management, advanced data processing, data validation, quality auditing, statistical data analysis, and report writing. Current EAF research activities include PM_{10} and $PM_{2.5}$ sampling and analysis for large field studies; operating and maintaining new continuous particle and precursor gas monitors at the Fresno supersite; source testing for emissions rates and chemical profiles for mobile, area, and point sources; and application of receptor models to determine source contributions to suspended particles and light extinction.

Requirements: Doctoral degree in the physical sciences or a related field; at least 10 years of relevant work experience; proficiency in operating and maintaining x-ray fluorescence analyzers (hardware, software, calibration, and spectrum processing), especially as applied to thin multi-element mixtures; strong statistical data analysis skills applicable to multivariate environmental data sets; familiarity with PC-based data management, analysis, and modeling software; and demonstrated management, organizational, documentation, and writing skills.

We prefer: Extensive experience in laboratory analyses of environmental samples; general knowledge of air quality monitoring; field sampling systems for mass, precursor gases, and chemical species; laboratory analysis methods for mass, elements, ions, acidity and carbon; source apportionment modeling using the Chemical Mass Balance and other receptor models; experience operating, calibrating, and maintaining electron microprobes, scanning electron microscopes, and similar instruments; and teaching/mentoring experience in a university environment.

Salary is competitive and commensurate with qualifications, and DRI provides an excellent benefits package. We will begin reviewing applications 12/15/00 and continue until position is filled. To be considered, you must submit letter of application describing qualifications (refer to Position #80-019), a C.V., and contact information for three references. Mail to: **Human Resources, DRI, 2215 Raggio Parkway, Reno, NV 89512**, e-mail Word compatible attachments to klafolle@dri.edu, or FAX them to: 775- 673-7339. To learn more about DRI, visit us at www.dri.edu. We are an AA/EEO employer that hires only U.S. citizens and those authorized to work in the U.S.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR PHARMACOLOGY AND TOXICOLOGY The University of Kansas

Applications are invited for a tenure-track position as an Assistant/Associate Professor of pharmacology and toxicology in the School of Pharmacy. The Pharmacy School at the University of Kansas ranks fourth nationally in NIH research funding among all such schools. The Department is recruiting a faculty member possessing a Ph.D., M.D., or equivalent degree whose research focus is based on genetic and/or molecular approaches to neuronal signal transduction, neurotoxicology, or neuropharmacology. Applicants with expertise in functional genomics or the development of transgenic animal models are also strongly encouraged to apply. Applicants for an Associate Professor should have an externally funded research program. All faculty are expected to participate in collaborative research projects and teach at the graduate and undergraduate levels. Excellent core facilities exist including those for DNA sequencing; protein analysis; peptide synthesis; fermentation; cell culture; hybridoma production; confocal and electron microscopy; molecular modeling; NMR; mass spectroscopy; X-ray crystallography; and a conveniently located, spacious, low-cost animal care facility. Send curriculum vitae, a description of research plans, and the names of three references to: **Dr. Rick T. Dobrowsky, Department of Pharmacology and Toxicology, University of Kansas, 5064 Malott Hall, Lawrence, KS 66045-2505.** E-mail: dobrowsky@ukans.edu. Review of applications begins January 16, 2001, and will continue until the position is filled. *The University of Kansas is an Equal Opportunity Employer. Underrepresented minorities and women are encouraged to apply.*

MATHEMATICS NEW SCHOOL UNIVERSITY

Eugene Lang College (ELC), an undergraduate division of New School University, invites applications for a full-time position in mathematics beginning fall 2001 pending budgetary approval. ELC is a liberal arts college with a diverse student body and a faculty committed to interdisciplinary learning through seminar-style classes. The candidate would teach mathematics courses from quantitative reasoning for mathematically weak students to statistics and calculus, emphasizing mathematics in the context of the sciences/social sciences. A Ph.D. in mathematics or mathematics education required; previous teaching experience desirable. Please send curriculum vitae, a statement of teaching philosophy, sample course descriptions (if available), and three letters of recommendation to: **Kanwal Singh, Chair of Search Committee, Eugene Lang College, 65 West 11th Street, New York, NY 10011.** Deadline: January 15, 2001. *New School University is an Affirmative Action/Equal Opportunity Employer. New School University is committed to Employment Equity and encourages women and individuals from underrepresented groups to apply.*

FACULTY POSITIONS, cancer genetics. Fox Chase Cancer Center ([website: www.fccc.edu](http://www.fccc.edu)), an NCI-designated comprehensive cancer center, has immediate openings for outstanding investigators to fill several ASSISTANT or ASSOCIATE PROFESSOR-level positions in human cancer genetics, a targeted area of growth at this institution. Successful candidates will join a group of 10 current members of the Human Genetics program. We are particularly interested in laboratory investigators with expertise in DNA microarray analysis, molecular genetic analysis of hereditary cancers, and genetic epidemiology. We also seek a Board-certified/Board-eligible Clinical Geneticist with experience in cancer genetics. New faculty will receive a generous start-up package including funds for equipment, personnel, and operating expenses and laboratory space in the new Cancer Prevention Pavilion. Interested candidates should send curriculum vitae, summary of research interests, and three letters of reference to: **Dr. Joseph R. Testa, Director, Human Genetics Program, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111.** *Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITION BEHAVIORAL NEUROSCIENCE UNIVERSITY OF FLORIDA

The Department of Psychology at the University of Florida invites applications for a full-time **TENURE-TRACK FACULTY POSITION** in behavioral neuroscience, rank open. Preference will be given to applicants who have training and experience in the area of psychophysical testing of olfactory function in animal subjects. The position is part of a joint initiative between the Department of Psychology and University of Florida Center for Smell and Taste to establish a unique national resource for sensory testing of animal models related to chemosensory function. Applicants will be expected to establish an independent program of extramurally funded research, supervise and mentor graduate students, and participate in graduate and undergraduate teaching. The application deadline is January 15, 2001. Applications should include a statement of research and teaching interests, curriculum vitae, up to five reprints, and three letters of recommendation. Send materials to: **Dr. Alan C. Spector, Behavioral Neuroscience Search Committee Chair, Department of Psychology, 114 Psychology Building, Gainesville, FL 32611-2250.** For more information, see [website: http://www.psych.ufl.edu/](http://www.psych.ufl.edu/). *The University of Florida is an Equal Employment Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF BIOLOGY

Randolph-Macon Woman's College, a selective liberal arts college with historic strengths in the sciences, invites applications for a tenure-track position at the level of Assistant Professor beginning in August 2001. The position requires a Ph.D. in a biological science and a strong commitment to teaching. Teaching responsibilities include a core course in general botany, introductory biology, and advanced courses in molecular and/or evolutionary plant biology. Additionally, regular participation in Senior Seminar and supervision of undergraduate research are expected. Preference will be given to candidates with a broad general biology background and teaching experience. Application review will begin December 10, 2000, and continue until position is filled. Send letter of application, including a statement of teaching and research interests; curriculum vitae; and names, mail and e-mail addresses, and telephone numbers of three references to: **Dr. Ronald D. Gettinger, Department of Biology, Randolph-Macon Woman's College, Lynchburg, VA 24503.** Telephone: 804-947-8490; FAX: 804-947-8138; e-mail: rgettinger@rmwc.edu.

ASSISTANT PROFESSOR OF BIOLOGY (FS8005). Tenure track. August 2001. Teach 12 credit hours per semester (including undergraduate lecture and laboratory botany courses) and advise undergraduates. Required: Ph.D. in biology and ability to perform position description. Salary: \$34,000 to \$36,000 per annum with excellent benefits. Please send letter of application describing interest in and qualifications for the position, curriculum vitae, transcripts of all college work, and three current letters of recommendation sent under separate cover to: **Dr. Brent Ybarrondo, Chair, Department of Biology, Adams State College, Alamosa, CO 81102.** [Website: www.adams.edu](http://www.adams.edu). Review of completed applications will begin on February 1, 2001, and continue until a suitable applicant is hired. *Affirmative Action/Equal Employment Opportunity.*

ASSISTANT PROFESSOR, tenure track, Department of Morphology, Ben-Gurion University of the Negev, Beer Sheva, Israel. Postdoctoral experience and proven ability to attract research funding desirable. Teaching responsibilities: participation in neuroscience, microscopic anatomy, and/or embryology. Principal research focus of current Department members is neuroscience. That said, we are committed to hiring the best, irrespective of a candidate's specific area of interest. Contact: **Professor Edward L. White, Chairman; e-mail: wisrael@bgumail.bgu.ac.il.** *Equal Opportunity Employer with an inclination to hire those with a pioneering spirit.*

POSITIONS OPEN

CLINICAL CYTOGENETICIST/ LABORATORY DIRECTOR

Genetics Associates, Inc. invites application for the position of Laboratory Director. Genetics Associates, Inc. is an independent laboratory located in Nashville, Tennessee, and provides service to university-based and many private hospitals and physician groups in the region. The laboratory processes 5,000 specimens annually for prenatal (34%), postnatal (28%), and cancer (38%) cytogenetic diagnosis using state-of-the-art conventional and molecular cytogenetic techniques. The applicant must be ABMG certified in clinical cytogenetics, with at least three years of experience in a diagnostic laboratory. In addition to directing the laboratory, the selected candidate will be a Course Director for pathology residents' rotation. There is ample opportunity for academic interaction and research. Please send curriculum vitae to: **V. G. Dev, Ph.D., Laboratory Director, Genetics Associates, Inc., 1916 Patterson Street, Suite 400, Nashville, TN 37203.** E-mail: dev@geneticsassociates.com; Telephone: 615-327-4532.

ENVIRONMENTAL SCIENTIST. Austin College, a selective liberal arts institution, seeks applicants for a tenure-track **ASSISTANT PROFESSOR** position beginning August 2001. Ph.D. required. Applicants should be committed to liberal arts education and research with undergraduates and should be enthusiastic about joining a thriving, broadly interdisciplinary studies program. While the research specialty is open, the ideal candidate would bridge environmental chemistry and environmental biology and could offer mid- and upper-level environmental science courses that would be of interest to both biology and chemistry majors. Send letter of application, curriculum vitae, graduate transcripts, three letters of reference, and one-page descriptions of teaching philosophy and research interests to: **Michael Imhoff, Vice President for Academic Affairs, Austin College, 900 North Grand Avenue, Sherman, TX 75090-4400.** Review of applications begins January 20, 2001. For more information, consult [website: http://artemis.austinc.edu/acad/envstud/EnvStudies/](http://artemis.austinc.edu/acad/envstud/EnvStudies/). *Affirmative Action/Equal Opportunity Employer.*

The Department of Zoology at the University of Washington is seeking applications for a tenure-track **ECOLOGIST** at the **ASSISTANT PROFESSOR** level, although in exceptional circumstances (including a record of mentoring students of underrepresented groups or women) we will consider appointments at the **ASSOCIATE** or **FULL PROFESSOR** level. Preference may be given to candidates whose research includes a significant field component. Successful candidates will be expected to contribute to undergraduate and graduate teaching and to establish an externally funded research program. Ph.D. required by date of appointment. Send curriculum vitae, a description of research interests, and three letters of reference to: **Dr. J. C. Wingfield, Chair, Department of Zoology, University of Washington, Seattle, WA 98195-1800.** Priority will be given to applications received before February 1, 2001. *The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. The University of Washington is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT/ASSOCIATE/FULL PROFESSOR MAIZE BREEDING Iowa State University

Develop a strong multidisciplinary and field-oriented research program emphasizing quantitative genetics, selection theory, and breeding methodology. The position (20% teaching/80% research) is fully funded at the level of Assistant Professor. Additional support may become available from an endowment for highly qualified applicants at the level of Associate or Full Professor. Review of applicants will commence on February 15, 2001. Contact [website: www.iastate.edu/hrs/jobs/jobs.html](http://www.iastate.edu/hrs/jobs/jobs.html); e-mail: teloynac@iastate.edu; Telephone: 515-294-7636. *Iowa State University is an Equal Opportunity/Affirmative Action Employer.*

**National Institute of Allergy and Infectious Diseases
Rocky Mountain Laboratories**

**Post-Doctoral Positions in Functional Genomics of
Bacterial Pathogenesis**

Research positions are available with principal investigators in the Laboratory of Human Bacterial Pathogenesis (LHBP), and Laboratory of Intracellular Parasites (LICP) National Institute of Allergy and Infectious Diseases, Rocky Mountain Laboratories.

James M. Musser, M.D., Ph.D.: Molecular basis of human phagocyte interactions with bacterial pathogens.
Frank DeLeo, Ph.D.: Molecular basis of group A *Streptococcus* and molecular basis of *Mycobacterium tuberculosis* drug resistance and human genetics of infection susceptibility.
Joseph Hinnebusch, Ph.D.: Genetic and molecular mechanisms of *Yersinia pestis* transmission and pathogenicity.
Tom Schwan, Ph.D.: Molecular adaptations of pathogenic spirochetes in tick and mammalian hosts.
Michael Otto, Ph.D.: Molecular pathogenesis of *Staphylococcus epidermidis* infections.
Patti Rosa, Ph.D.: Molecular genetics of the infections cycle of the Lyme disease bacterium *Borrelia burgdorferi*.
Harlan Caldwell, Ph.D.: Molecular pathogenesis and immunobiology of *C. trachomatis* and *C. pneumoniae* infections.
Robert Belland, Ph.D.: Molecular genetics of *Neisseria gonorrhoeae*.

Ted Mackstadt, Ph.D.: Cell biology of *Chlamydia*-host interactions, parasite regulation of vesicle trafficking.

LHBP and LICP are located at Rocky Mountain Laboratories in the scenic Bitterroot Valley in Hamilton, Montana. Investigators in these laboratories study fundamental molecular processes of host-pathogen interaction (see <http://www.niaid.nih.gov/dir/labs/lhbp.htm>; <http://www.niaid.nih.gov/dir/labs/lmsf.htm>; <http://www.niaid.nih.gov/dir/labs/licp.htm>). Facilities are available for state-of-the-art genome analysis including high-throughput DNA sequencing and DNA microarray (pathogen and human); proteomics including MALDI-TOF; electron and confocal microscopy, and other imaging techniques; biosafety level-3 pathogen research; and a vivarium that includes non-human primates. Interested applicants should send curriculum vitae and three letters of reference to the appropriate investigator referenced above c/o Rocky Mountain Laboratories, 903 South 4th Street, Hamilton, MT 59840. Starting stipend ranges from \$29,000 to \$40,000 commensurate with experience/present salary.



**Tenure-Track or Tenured Positions, Translational and
Clinical Neurosciences**

**National Institute of Neurological Disorders and Stroke
NIH**

As part of an ongoing revitalization, the Intramural Research Program of NINDS invites applications for tenure track or tenured faculty positions in Clinical Neurosciences. We seek exceptional candidates to establish independent and imaginative research programs in translational and/or clinical neuroscience. Applicants with established research programs are welcome. The successful candidate will join a diverse and collegial group of investigators at NINDS whose research interests span basic neuroscience to clinical trials (see <http://intra.ninds.nih.gov> for details). The position includes salary and a highly competitive research support package that will be commensurate with the qualifications and experience of the individual. Applicants should send curriculum vitae, including bibliography, statement of research interests and a list of three references to:

Dr. Guy Mckhann c/o Margie Marple
Bldg. 10, Rm 5N216
10 Center Drive MSC 1426
Bethesda MD 20892-1426
Email: MK100w@nih.gov

Applications must be postmarked by 1 February 2001.



Tenure Track Position in Surgical Neurology
**National Institute of Neurological Disorders and Stroke
NIH**

As part of the development of a multi-institute neuro-oncology program at the National Institutes of Health, the Intramural Research Program of NINDS invites applications for a tenure track position in the Surgical Neurology Branch. We seek an exceptional candidate to establish an independent and imaginative research effort in neuro-oncology with a special emphasis on research integrating laboratory and clinical neuro-oncology with neuroscience. An MD or MD/Ph.D. with neurosurgical training and at least two years of research experience is required. The successful candidate will join a diverse, collegial group of investigators at NINDS and become part of a new interinstitute brain tumor initiative. The position includes salary and a highly competitive research support package that will be commensurate with the qualifications and experience of the individual. Applicants should send curriculum vitae, including bibliography, statement of research interests and a list of three references to:

Dr. Howard Fine c/o Erica Greene
Bldg. 10, Rm. 5N216
10 Center Drive MSC 1426
Bethesda MD 20892-1426

Application must be postmarked by 1 February 2001.

3 Faculty Positions
Ohio Northern University

The Department of Biological Sciences seeks three persons to fill the following faculty positions depending on the interest and qualifications of the candidate. The positions are 9 month appointments and require evidence of effective teaching. The ability to use multimedia and contemporary technology in teaching is highly desirable. Research activities to involve students.

- 1. Plant Systematist.** A background in paleobotany desired. Teaching will include courses in plant biology, introductory biology. PhD. Assistant Professor. Tenure track or visiting appointment depending on the interest and qualifications of the candidate. ABD considered.
- 2. Human Anatomy.** Teaching will include human anatomy, vertebrate developmental anatomy and introductory courses in biology and zoology. PhD. Assistant Professor. Tenure track or visiting. ABD considered.
- 3. Ornithology/Director of Bioscience 323 Laboratories.** Teach and coordinate laboratory course with microbiology, immunology & pathology components, teach intro biology and zoology classes and an introductory ornithology class. MS required. Rank of Instructor. Four-year renewable contract track appointment.

Letter of application including teaching philosophy, a CV, official transcripts and three letters of recommendation are required for consideration. Student and peer evaluations are acceptable evidence of teaching effectiveness. Applicant files are to be completed by Jan. 15, 2001 for full consideration. E-mail applications will not be accepted or acknowledged.

Materials should be sent to Terry Keiser, Chair, Dept. of Biol. Sciences, ONU, Ada, OH 45810

Applications will be received until the positions are filled. Information about ONU can be found at www.onu.edu.

Minorities are encouraged to apply. ONU is an affirmative action/equal opportunity employer

POSITIONS OPEN

RESPIRATORY PHYSIOLOGIST: The Department of Physiology and the Respiratory Sciences Center at The University of Arizona, College of Medicine, invite applications for a tenure-track position at the rank of **ASSISTANT PROFESSOR** or at the **ASSOCIATE** level for exceptionally well-qualified candidates. Preference will be given to candidates who use functional genomics and/or animal models to investigate mechanisms regulating airway function or bronchial or pulmonary circulation as they pertain to allergic inflammation and asthma. The successful candidate will be expected to establish a vigorous, independent research program and contribute to teaching in graduate cell and medical systems physiology courses. Qualifications include the Ph.D., M.D., or equivalent and two or more years of postdoctoral training. Candidates with demonstrated experience in teaching and success in acquiring independent funding are especially encouraged to apply. Position is available beginning July 1, 2001. Review of applications will begin in February 2001 and continue until the position is filled. Submit a letter of application, a summary of teaching and research goals, curriculum vitae with the names of three references, and three reprints to: **Reference Job Number 994245: Janis M. Burt, Ph.D., Head of the Search Committee, Department of Physiology, The University of Arizona, Tucson, AZ 85724-5051.** More information can be found at websites: <http://Department.physiol.arizona.edu/> and <http://www.resp-sci.arizona.edu/>. The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.

FACULTY POSITION IN THE DEPARTMENT OF BIOCHEMISTRY. The Department of Biochemistry at the Albert Einstein College of Medicine is seeking a faculty member with experience in solving biomedical questions by unique biochemical approaches. Faculty rank in this tenure-track position will be determined by prior experience, but appointment at the level of **ASSISTANT PROFESSOR** is preferred. The Department has vigorous research programs in protein folding and chemistry, macromolecular structure, enzymatic mechanisms, inhibitor design, signal transduction, genetic expression, and protein-nucleic acid structure-function. We seek faculty who will complement these areas. Applicants should send curriculum vitae, letters from three or more references, and a summary of research interests and future research plans to: **Search Committee, Department of Biochemistry, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.** Equal Opportunity Employer.

BIOLOGIST: We seek a broadly trained Invertebrate Biologist with an experimental orientation for a tenure-track (Ph.D. required) position at a small liberal arts college. Teaching responsibilities are usually two courses with laboratories per semester, including an annual one-semester nonmajors course. Other courses will depend on the departmental need and individual expertise. Advising and college service are expected. There is an opportunity to supervise student research. Send curriculum vitae, transcripts, a statement of teaching and research interests, and the names and addresses of three references to: **Search Chair, Biology Department, Adrian College, Adrian, MI 49221.** Review of completed applications will begin January 8, 2001. For more information see website: www.adrian.edu.

SCIENTIFIC OFFICER position for self-motivated risk-taker to help CEO direct two well-funded start-up biotechnology companies (CertiChem, PlastiPure in Austin, Texas) whose missions are developing and marketing state-of-the-art *in vitro*, *in vivo*, and behavioral assays for hormonal activity and unique chemical formulations for biologically safer products. Qualifications: Ph.D.; three years of postdoctoral experience; and broad training in biologically related fields (developmental biology, endocrinology, evolution, neuroscience). Send curriculum vitae to: **E-mail: cci-ppi@austin.rr.com; FAX: 512-372-8425.** Women/minorities encouraged to apply.

POSITIONS OPEN

COMPUTATIONAL BIOLOGIST PLANT BIOLOGY DIVISION Samuel Roberts Noble Foundation

The Samuel Roberts Noble Foundation is seeking an outstanding candidate at all levels in the area of computational biology/bioinformatics and the modeling of complex plant biological systems.

Successful candidates will be expected to develop a high-quality research program as well as becoming an integral component in the Foundation's interdisciplinary Medicago functional genomics program. Expertise in gene or protein expression data analysis or in metabolic pathway or network modeling is of particular interest.

A Master's or Ph.D. degree in computer, mathematics, or biological sciences and relevant bioinformatics experience are required. Competitive salary commensurate with experience.

Application and job description obtainable from the Noble Foundation website: www.noble.org.

To apply, send a letter outlining research interests and experience, curriculum vitae, and names of three references to:

**Human Resources Department
Position Number PltBio32700_RDFac
Samuel Roberts Noble Foundation
P.O. Box 2180
Ardmore, OK 73402 U.S.A.
E-mail: NHRR@Noble.org
Telephone: 580-223-5810
FAX: 580-221-7362**

ASSISTANT PROFESSORS OF BIOLOGY

Hofstra University invites applications for two full-time, tenure-track Assistant Professor positions in the Department of Biology. We seek individuals who are able to teach undergraduate majors and nonmajors as well as Master's students and to maintain an active research program accessible to both undergraduate and Master's research students. The specific areas of research are open. The Department of Biology is a medium-sized but diverse and growing department. Successful candidates will be qualified to teach courses in at least two of the following subject areas: bioinformatics/computational biology, botany, ecology, invertebrate zoology, genetics, microbiology/immunology, nutrition, protozoology, parasitology. Candidates must have a Ph.D.; postdoctoral experience and demonstrated teaching ability preferred. Candidates should submit a letter of application, their curriculum vitae, statements of research and teaching interests, and have three letters of recommendation sent to the following address: **Faculty Search, Department of Biology, Hofstra University, Hempstead, NY 11549-1140.** Additional information about these positions is posted at website: http://people.hofstra.edu/faculty/dorothy_e_pumo/facsearch.htm. Application materials should be received by 31 December 2000.

Hofstra University is an Equal Opportunity Employer.

PLANT SYSTEMATIST

The Department of Biological Sciences, Idaho State University (website: www.isu.edu/departments/bios), seeks applicants for an **ASSISTANT PROFESSOR** position beginning August 2001. Candidates must hold a Doctorate (postdoctoral experience preferred) and have ability to supervise students from the undergraduate to doctoral levels. The successful candidate will be expected to develop a vigorous research program and curate and develop the large regional collection of Davis Herbarium of the Idaho Museum of Natural History. Teaching responsibilities include systematic botany and introductory and advanced courses. Send applications including statements of research interest, teaching philosophy, and curatorial experience; curriculum vitae; and three letters of reference by January 15, 2001, to: **Botany Search Committee, Biological Sciences, Idaho State University, Pocatello, ID 83209-8007.** Idaho State University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION ASSISTANT PROFESSOR OF BIOLOGY

The candidate must have a Ph.D. and be a broadly trained Plant Biologist who is able to contribute to a diverse array of courses which may include plant anatomy, plant physiology, local flora, medical and economic botany, and an advanced specialty course. Candidate must have a strong commitment to teaching at the undergraduate and M.S. levels and participate in introductory courses. Candidates must have a record of published research and show potential for developing and sustaining an independent, externally funded research program involving students.

Submit letter of application, curriculum vitae, official transcripts from both undergraduate and graduate education, a detailed statement of research and teaching interests, and three letters of recommendation to: **Dr. Jeffrey Thompson, Chair, Department of Biology, Attention: Plant Biology Search, California State University, 5500 University Parkway, San Bernardino, CA 92407. Telephone: 909-880-5305; FAX: 909-880-7038; e-mail: jthompo@csusb.edu.** Deadline is December 31, 2000, or until filled. For more information about the position, University and Department, please see our website: <http://biology.csusb.edu>. Cal State is an Equal Opportunity Employer committed to a diversified workforce.

READVERTISED ASSISTANT PROFESSOR Department of Microbiology and Molecular Cell Sciences

The Department of Microbiology and Molecular Cell Sciences at The University of Memphis invites applications for a tenure-track Assistant Professor position. We seek outstanding candidates with postdoctoral experience in basic molecular and cellular biology of bacteria or yeast. Candidates will be expected to establish an externally funded research program and participate in graduate and undergraduate teaching and research. Competitive salary and start-up package are available. Research facilities include an integrated microscopy center and a molecular core. Additional information about the Department can be found at website: <http://www.people.memphis.edu/~microcell/mmcs.html>. Applicants should submit curriculum vitae, concise statement of research plans, and three letters of recommendation to: **Thomas R. Sutter, Ph.D., Search Committee Chair, Department of Microbiology and Molecular Cell Sciences, The University of Memphis, 201 Life Sciences, Memphis, TN 38152-3560.** Review of applications will begin January 15, 2001, and continue until the position is filled. Equal Opportunity/Affirmative Action Employer.

TENURE-TRACK FACULTY POSITION

The Biomedical/Biotechnology Research Institute at North Carolina Central University is seeking applications for a tenure-track faculty position at the level of **ASSISTANT PROFESSOR** in the Cardiovascular Disease research program. The successful candidate will have demonstrated ability to build an independently funded research program in one of several areas, including developmental or endothelial biology, molecular genetics, neural regulation, renal function, or vascular signaling. A competitive salary and generous start-up package are available and outstanding opportunities exist for collaboration with Scientists both in the Institute and at neighboring institutions including the UNC-Chapel Hill, Duke Medical Center, and the Research Triangle Park. Applicant should hold a Ph.D. and/or M.D. degree. Send curriculum vitae, names of three references, and a statement of career goals to: **Richard D. Bukoski, Ph.D., Director of Cardiovascular Disease Research Program, BBRI, North Carolina Central University, 700 George Street, Durham, NC 27707. E-mail: rbukoski@wpo.nccu.edu.**

North Carolina Central University is a constituent institution of the University of North Carolina system and an Equal Opportunity/Affirmative Action Employer.

Marine Sciences Research Center

The Marine Sciences Research Center (MSRC) at the University at Stony Brook is searching for the following positions:

Tenure Track Faculty Positions

Tenure-track or tenured (depending on incoming rank) faculty positions in all areas of marine sciences. We are seeking individuals who are at the beginning of their careers and show exceptional promise, and also those with an established record of outstanding achievement in research and education. Positions can be filled at Assistant Professor to full Professor, and candidates must have a Ph.D. at the time of appointment. The MSRC has both graduate and undergraduate educational programs; currently about 120 graduate students are in residence pursuing Master's and Ph.D. research. Existing faculty have research programs in chemical, biological, geological and physical oceanography, living marine resources, waste management and atmospheric science.

Applicants with backgrounds relevant to all the marine science disciplines are encouraged to apply. Several appointments will be made, at least one of which will be in the area of biological oceanography. Successful candidates will be expected to enhance and complement existing faculty and programs, develop an active research program in marine sciences and teach at the graduate and undergraduate levels.

Submit a curriculum vitae, statement of professional goals, and the names of at least three references to: Chair, MSRC Faculty Search Committee, MSRC, SUNY/Stony Brook, Stony Brook, NY 11794-5000. E-mail inquiries may be directed to MSRC_faculty_search@notes.cc.sunysb.edu. Review of applications will begin January 15, 2001 and continue until the positions are filled.

Marine Shellfish Biologist

Tenure-track position in shellfish (mollusk or crustacean) biology to complement the existing expertise of MSRC in applying research to problems in the management of living marine resources and coastal oceanography. We seek candidates from all areas of shellfish biology, including shellfish ecology, population dynamics and modeling, physiological and larval ecology population genetics, and/or marine conservation. Position will likely be filled at the Assistant Professor level but applicants of higher ranks will also be seriously considered. Ph.D. or equivalent and evidence of excellence in research and teaching required.

Send statement of interest, CV, and names and addresses of four references to Chair, Shellfish Biology Search Committee, SUNY/Stony Brook, Stony Brook, NY 11794-5000. Application review will begin January 2, 2001 and will continue until the position is filled.

The MSRC offers the benefits of a strong interdisciplinary faculty at a major research university, an excellent student population, ready access to diverse coastal environments, and close ties to funding organizations/agencies. Stony Brook is an affirmative action/equal opportunity educator and employer.

More information is available at www.msrc.sunysb.edu.



Assistant Professor Plant Biologist

The Department of Biology, University of Minnesota-Duluth seeks applications for a tenure-track, nine-month Assistant Professor position in plant biology that begins 1 September 2001. Expectations of the successful candidate include teaching plant diversity, advanced specialty course, and team-teaching introductory biology; research in plant evolution, plant population biology, or plant systematics; student advising; and service. There are significant opportunities for local research collaboration (www.d.umn.edu/biology) and extensive and diverse public lands and waters nearby. Essential qualifications are: a Ph.D. in a biological science and evidence of potential for achievement in teaching and research - including excellent oral and written communication skills and senior authorship of at least one peer-reviewed publication. Send letter of application, curriculum vitae, statements of teaching and research experience/interests/philosophy, reprints of up to three of your most significant publications, transcripts (may be unofficial) or list of relevant coursework; and have at least three letters of recommendation sent to: **Dr. David Schimpf, Search Committee Chair, Department of Biology, University of Minnesota, Duluth, MN 55812.** Review of completed applications will begin on January 22, 2001 and will continue until the position is filled. *The University of Minnesota is an equal opportunity educator and employer.*

Research with Teaching Postdoctoral Fellowship Positions Available

NIH funded Post-doctoral Research and Education Program (PREP) seeks applications from Post-doctoral Fellows interested in teaching and research.

Fellowships include 3 years of support for research (~80% time) with a research mentor and a concurrent program in learning to teach (~20% time) with lectures, workshops, practice teaching at minority serving colleges, and learning to use the World Wide Web for course development. Most areas of biological research are available in the laboratories of funded faculty research mentors at Emory University, Morehouse School of Medicine, Morehouse College, Clark-Atlanta University and Spelman College, all in Atlanta, Georgia. Teaching mentors also include faculty at Morris Brown College.

Fellows must have successfully completed an M.D. or Ph.D. in a science or related field. Fellows must be US citizens or permanent residents. Underrepresented minorities are strongly encouraged to apply for these fellowships.

Visit our website at www.emory.edu/WHSC/MED/PHYSIOLOGY/PREP for the PREP research and teaching mentors, application forms and deadline information.

Questions? Email us at PREP@emory.edu

Applications should be sent to PREP, c/o Dr. Robert B. Gunn, Director, Emory University School of Medicine, Department of Physiology, Atlanta, GA 30322-3110. FELLOWSHIPS CAN BEGIN IMMEDIATELY!

Equal Opportunity/Affirmative Action Employers

POSITIONS OPEN

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>. Training in basic immunology is desired. Experience with construction of murine knockout disease models, knowledge of stem cell biology as it relates to 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.*

MAMMALOGY FACULTY POSITION Department of Biological Sciences Humboldt State University

A one-year full-time temporary position is available for fall 2001 (convertible to tenure-track position contingent upon budget and program needs). Requires Ph.D. in biological sciences with professional training and research expertise in mammalogy. Emphasis in field- and collection-based systematics of mammals is preferred. Primary teaching responsibilities will include mammalogy and systematics. Other duties will include advising undergraduate students and Master's degree candidates. Recent teaching and curatorial experience is essential. Research is expected. Send résumé, three letters of recommendation, and undergraduate and graduate transcripts (unofficial copies sufficient for initial review) to: **Chair, Mammalogy Search Committee, Department of Biological Sciences, Humboldt State University, Arcata, CA 95521. Telephone: 707-826-4166; FAX: 707-826-3201; e-mail: turner@humboldt.edu**. Completed application materials must be postmarked by February 5, 2001. FAXED or e-mailed applications are not acceptable. *Equal Opportunity/Affirmative Action Employer. Women, persons with disabilities, and minorities are encouraged to apply.*

BIOCHEMISTRY FACULTY POSITION, University of North Carolina at Wilmington. The Department of Chemistry ([website: www.uncwil.edu/chem](http://www.uncwil.edu/chem)) invites applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level to start August 2001. The successful candidate will be expected to develop a vigorous, externally funded research program at both the undergraduate and graduate (M.S.) levels and to demonstrate excellence in teaching courses in biochemistry and organic chemistry. A Ph.D. degree and postdoctoral experience are required. Screening will continue until the position is filled. Please submit a letter of application, curriculum vitae, statement of teaching philosophy, summary of research plans, and have three letters of recommendation sent to: **Dr. Ned H. Martin, Department of Chemistry, UNCW, 601 South College Road, Wilmington, NC 28403-3297.** *University of North Carolina at Wilmington is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

POSITIONS OPEN

PLANT ECOLOGIST

The Department of Botany, College of Natural Sciences, invites applicants for an **ASSISTANT PROFESSOR**, tenure-track, nine-month position to begin August 1, 2001. The Department seeks an individual who will develop an outstanding extramurally funded research program focused on plant ecology in the Pacific, with possible specialization in plant community dynamics/restoration, landscape ecology, or physiological ecology. Teaching responsibilities will include an undergraduate and graduate course in the applicant's area of specialization. Minimum qualifications: Ph.D. or equivalent degree in botany or a related field, scholarly achievements, and demonstrated teaching ability. Desirable qualifications: postgraduate training, field-oriented research in Pacific or tropical plant ecology, and the ability to work in a multicultural environment. Submit curriculum vitae, statements of teaching philosophy and research interests, up to three reprints, and arrange to have letters from three references sent to: **Chairperson, Department of Botany, 3190 Maile Way, University of Hawaii at Manoa, Honolulu, HI 96822-2279.** Deadline for applications is January 30, 2001. Inquiries may be made to e-mail: botany@hawaii.edu. A complete version of this ad can be found at website: <http://www.botany.hawaii.edu> or requested by FAX: 808-956-3923. *The University of Hawaii at Manoa is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are strongly encouraged to apply.*

Xencor, Inc. is a well-financed private company that develops new computational and proteomic technologies to accelerate drug discovery. We are seeking highly motivated and enthusiastic Scientists to help us continue to develop cutting-edge technologies on the proteomics frontier. We now have several job openings for **RESEARCH SCIENTIST** (Job Code: PCD-RSS) and **RESEARCH ASSOCIATE** (Job Code: PCD-RAS) positions. Qualification for Research Scientist includes a Ph.D. degree in molecular biology, cell biology, protein chemistry, or related fields with zero to three years of postdoctoral experience. You must have a strong background in DNA/RNA manipulation, tissue culture, and a deep understanding of protein-protein, enzyme-substrate, and drug-protein interactions. Prior experience with phage display a plus. Qualifications for Research Associate positions include a B.S./M.S. degree with experience in tissue culture, DNA transfection, and DNA/RNA purification. Xencor offers a competitive salary, benefits package and stock options, and the opportunity for advancement in a challenging and stimulating work environment. Please submit your résumé by mail indicating the Job Code to: **Xencor, 111 West Lemon Street, Monrovia, CA 91016. E-mail: recruiting@xencor.com.**

POSTDOCTORAL POSITIONS UNIVERSITY OF WISCONSIN-MADISON

Postdoctoral positions are available to study behavioral genetics, nervous system function, and polycystic kidney disease using *C. elegans* as a model system (see *Nature* 401:386-389, 1999). Successful candidate will have a strong background in molecular biology, genetics, electrophysiology, and/or biochemistry. Please send curriculum vitae, research experience summary, and names of three references to: **Dr. Maureen M. Barr, School of Pharmacy, University of Wisconsin-Madison, 425 North Charter Street, Madison, WI 53706.** *The University of Wisconsin is an Equal Opportunity Employer.*

RESEARCH ASSOCIATE/RESEARCH ASSISTANT PROFESSOR position available immediately to study effects of drugs of abuse on receptor function. Ph.D. in neurobiology or molecular neuroscience preferred. Website: <http://www.mco.edu/depts/pharm/rosenber.html>. Send curriculum vitae and references to: **Dr. H. C. Rosenberg, Department of Pharmacology, Medical College of Ohio, 3035 Arlington Avenue, Toledo, OH 43614-5804. E-mail: hrosenberg@mco.edu.** *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR CARDIOVASCULAR PHYSIOLOGY

Individuals employing modern cellular and molecular approaches to investigate the physiology of organs and organ systems are invited to apply for a 12-month tenure-track position at the Assistant Professor level. Candidates must possess a Ph.D., M.D., or equivalent degree and at least two years of postdoctoral experience. Preference will be given to candidates with anticipated/current research funding from national sources and expertise in cardiovascular physiology or developmental cardiovascular physiology. The successful candidate will be expected to pursue an active, independent research program and participate in medical and graduate teaching. Oklahoma University Health Sciences Center offers excellent opportunities for collaboration with multidisciplinary groups of Cardiac/Vascular Scientists as well as Fetal/Neonatal Physiologists. Applicants should submit curriculum vitae, a brief description of current and future research interests, and have three letters of reference sent to: **Dr. Sinya Benyajati, Department of Physiology, College of Medicine, The University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, OK 73190. FAX: 405-271-3181; e-mail: siribhinya-benyajati@ouhsc.edu; website: <http://w3.ouhsc.edu/physiology>.** Completed applications will be accepted until January 31, 2001. Anticipated starting date: fall 2001. *OUHSC is an Equal Opportunity Institution.*

SYN-X PHARMA IS SEEKING SCIENTISTS

SYN-X Pharma Inc. is a well-established *in vitro* diagnostics company focusing on discovery, development, and commercialization of antibody-based products for cardiovascular and related diseases. We are recruiting self-motivated B.S. or M.S. team players for the following positions. Must have strong communication and interpersonal skills, dedication, and a willingness to learn and grow.

MOLECULAR BIOLOGY PROTEIN EXPRESSION

Must have a minimum of three years of relevant experience in molecular biology, protein expression, and microbiology techniques.

PROTEIN CHEMISTRY

At least three years of experience in protein purification, characterization, and peptide mapping.

Please submit your curriculum vitae and publication list to:

**Personnel Department
6354 Viscount Road
Mississauga, ON L4V 1H3 Canada
Website: www.synxpharma.com**

POSTDOCTORAL POSITION FELINE IMMUNODEFICIENCY VIRUS RESEARCH

We are seeking a Postdoctoral Scientist(s) with training in molecular biology and/or immunology to conduct NIH-funded research on development of vaccines and on mechanisms of infection by feline immunodeficiency virus (FIV). Experience with viral vectors and/or cell-mediated immunity assays desirable. Important are ability to conduct independent and collaborative research and to advise Ph.D. students in laboratory methodologies, strategies, etc. Minimum requirement: Ph.D. or equivalent degree. Salary commensurate with experience. Please send résumé and letter of introduction to:

**Edward A. Hoover, D.V.M., Ph.D.
Department of Pathology
College of Veterinary Medicine and
Biomedical Sciences
Colorado State University
Fort Collins, CO 80623-1671
E-mail: ehoover@lamar.colostate.edu
Telephone: 970-491-7587; FAX: 970-491-0523**
Colorado State University is an Equal Employment Opportunity/Affirmative Action Employer.



Foundation Alfried-Krupp-Kolleg
Greifswald

Ernst-Moritz-Arndt University
Greifswald

The Foundation Alfried-Krupp-Kolleg Greifswald is a civil-law foundation of the Alfried Krupp von Bohlen und Halbach Foundation, the state of Mecklenburg-West Pomerania and the Ernst-Moritz-Arndt University of Greifswald. It supports the Alfried-Krupp-Kolleg Greifswald, a college set up to work in cooperation with the University of Greifswald on interdisciplinary research projects with international perspectives.

The Foundation Alfried-Krupp-Kolleg Greifswald and the Ernst-Moritz-Arndt University of Greifswald jointly appoint the

Academic Director of the Alfried-Krupp-Kolleg Greifswald

as a university professor (remuneration based on the Federal salary grade C4).

The Academic Director will be responsible for developing and implementing an academic program which will use the development potential of a privately run college and further strengthen the position of the Ernst-Moritz-Arndt University in the academic landscape.

The objective of the Alfried-Krupp-Kolleg Greifswald is to bring together scientists from different disciplines to work together on key topics, pursue interdisciplinary research projects, cultivate relations with scientists internationally, with special emphasis on the Baltic region, and foster the work of junior scientists.

The successful candidate will have a strong personality and high academic qualifications. The Academic Director is expected to develop the Alfried-Krupp-Kolleg Greifswald into a center of excellence at the Ernst-Moritz-Arndt University of Greifswald. With established international contacts, the successful candidate will have experience in working on interdisciplinary projects and attracting external funding. The term of office is six years, reappointment is possible. The position is to be filled as quickly as possible.

The college has further vacancies for scientific and non-scientific staff. By early 2002 the Krupp Foundation will set up a new center in Greifswald city center with spacious workrooms and conference rooms as well as accommodation for guest scientists.

The appointment is subject to the requirements of Art. 34 of the higher education law of the state of Mecklenburg-West Pomerania. In filling the vacancy, disabled persons will be given preferential treatment within the framework of the statutory provisions. The University is striving to increase the share of female academic staff members and therefore expressly invites applications from qualified women.

Applications should be submitted by December 31, 2000 to the Board of Trustees of the Foundation Alfried-Krupp-Kolleg Greifswald, Attn.: Prof. Dr. h.c. mult. Berthold Beitz, Hügel 15, 45133 Essen, Germany.

For the
Foundation Alfried-Krupp-Kolleg Greifswald

Professor Dr. h.c. mult. Beitz, Chairman of the Board of
Trustees of the
Alfried Krupp von Bohlen und Halbach Foundation

Professor Dr. Kauffold, Minister for Education, Science
and Culture of the state of Mecklenburg-West
Pomerania

Professor Dr. Dr. Metelmann, Principal of the
Ernst-Moritz-Arndt University of Greifswald

For the
Ernst-Moritz-Arndt University of Greifswald

Professor Dr. Dr. Metelmann, Principal

POSITIONS OPEN

SUPERVISORY HORTICULTURIST OR SUPERVISORY GENETICIST OR SUPERVISORY PLANT PATHOLOGY (Interdisciplinary)

The U.S. Department of Agriculture, Agriculture Research Service, Corvallis, Oregon, Horticultural Crops Research Unit, invites applications for the position of **RESEARCH LEADER, GS-14/15** (\$70,457 to \$107,738 per annum; salary commensurate with experience). The Research Leader will lead a dynamic group of 12 Scientists and 38 support staff and provide vision and leadership to address issues important in the production of horticultural and nursery crops in the Pacific Northwest. The Research Leader also conducts research evaluating aspects of the horticulture, genetics, or pathology of small fruits crops. A Ph.D. or equivalent in horticulture, plant genetics, or plant pathology or a closely related field is desired. This is a competitive, permanent appointment and *U.S. citizenship is required*. Applications must be marked **ARS-X1W-1044**. For specific application procedures and requirements, please call **Ms. Beth Harrington; Telephone: 541-750-8707; e-mail: beth.harrington@orst.edu**. You may obtain a copy of the vacancy announcement from **Ms. Harrington** or from the **ARS website: <http://www.ars.usda.gov/afm/hrd/resjobs/index.htm>** under Announcement ARS-X1W 1044. Applications must be postmarked by December 30, 2000. *ARS is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.*

ASSISTANT PROFESSOR INVERTEBRATE ZOOLOGIST

Seeking a tenure-track Invertebrate Zoologist with Ph.D. and teaching experience. Duties begin August 15, 2001. Candidates should be broadly trained and committed to excellent teaching, service of a diverse student body, and development of fundable research with undergraduates. Teaching responsibilities include invertebrate zoology, introductory course for majors, and advanced course(s) in area of expertise, as well as general biology and integrated science for general education. Research area open; preference to candidates using modern techniques in such areas as parasitology, physiology, evolution, ecology, aquatic/marine biology, or systematics. Participation in Center for Integrative Natural Science and Mathematics and an environmental science program is expected. A large aquarium, a natural history museum, the Ohio River, and federal laboratories are only minutes away. New science building to open fall 2002. Send letter of application; statements on teaching philosophy/research goals; curriculum vitae; transcripts; and names, addresses, telephone numbers, and e-mail addresses of three references to: **Invertebrate Zoology Search, Department of Biological Sciences, Northern Kentucky University, Highland Heights, KY 41099**. All materials due by January 31, 2001. *NKU is an Affirmative Action/Equal Employment Opportunity Employer.*

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. Eckenhoft; e-mail: reckenho@mail.med.upenn.edu**. *The University of Pennsylvania Health System is an Equal Opportunity Employer.*

POSITIONS OPEN

SCIENTIST: CHEMICAL NANOSCIENCE AS APPLIED TO PATHOBIOLOGY

Mount Sinai Hospital
Toronto, Ontario, Canada

Applications are invited for a **STAFF SCIENTIST** position involving research and teaching in a progressive teaching hospital affiliated with the University of Toronto.

Applicants should have a Ph.D. with expertise and extensive academic research record in chemical nanoscience with extensive accomplishments in selected areas such as development of novel photodynamic compounds; free radical scavengers; polymeric biomaterials; and derivitized fullerenes, which have applications related to disease processes.

The successful candidate will receive a primary hospital appointment as Staff Scientist, Pathology and Laboratory Medicine, Mount Sinai Hospital, and a primary University of Toronto appointment in the Department of Laboratory Medicine and Pathobiology at the appropriate academic rank as well as a cross-appointment in the Department of Materials Science and Engineering, Faculty of Engineering, University of Toronto and Institute of Biomaterials, Biomedical Engineering, University of Toronto.

Please send applications including curriculum vitae and the names of three references to:

**Dr. Kenneth P. H. Pritzker, Pathologist-in-Chief
Director, Pathology and Laboratory Medicine
Mount Sinai Hospital, 600 University Avenue
Toronto, Ontario, M5G 1X5 Canada
FAX: 416-586-8589
E-mail: kpritzker@mtsina.on.ca**

The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, and others who may contribute to further diversification of ideas.

PROTEOME INC.

Proteome is a rapidly growing company at the forefront of the bioinformation revolution that provides comprehensively curated protein databases to the pharmaceutical industry and to academia. All positions have the opportunity to advance to positions of greater responsibility in an exciting work environment. **SCIENTIFIC CURATORS:** Multiple opportunities exist for Scientific Curators, who collect and integrate protein information for our multispecies databases. Candidates must have training in mammalian or model systems, a wide knowledge of cell biology or related fields, excellent writing skills, and a Ph.D. Curators may work full- or part-time, on-site or remotely, which offers maximum personal flexibility. **PROJECT SCIENTISTS/SCIENTIFIC PROGRAMMERS:** Multiple full-time opportunities exist on-site for Biological Scientists to become part of Proteome's research group. Candidates will develop new approaches and tools for gathering information for Proteome's integrated databases. Demonstrated ability to rapidly assimilate and apply new information is critical. Previous training in mammalian or model systems, excellent writing skills, or experience with a programming or scripting language (PERL, Python, Java, Javascript, C, C++, etc.) are preferred. Please send a cover letter and curriculum vitae in one form only to either: **E-mail: hr@proteome.com or to Human Resources, Proteome Inc., 100 Cummings Center, Suite 435M, Beverly, MA 01915**. See **website: <http://www.proteome.com>** for more information. *An Equal Opportunity Employer.*

TWO POSTDOCTORAL POSITIONS available immediately to study the signal transduction and transcriptional regulation of MUC1 mucin in cancer and airway infection in a competitive research environment. Basic techniques in cell and molecular biology required. Send résumé and names of three references to: **Dr. K. C. Kim, Department of Pharmaceutical Sciences, University of Maryland, 20 North Pine Street, Baltimore, MD 21201. E-mail: pse_search@rx.umaryland.edu**. *An Equal Opportunity Employer.*

POSITIONS OPEN

MOLECULAR, CELLULAR, AND CHEMICAL TOXICOLOGISTS

Openings are available in the Environmental Chemistry and Toxicology laboratory at the University of California at Berkeley for **POSTGRADUATE RESEARCH SCIENTIST** positions in the nontoxic track to investigate the mechanism of action of neurotoxins and related biologically active compounds. Appointments are for one year with possible extension based on performance. The specifications for each position depend on the programmatic needs. The laboratory is currently soliciting applications in a relatively wide range of areas from which specific qualified candidates will be selected. Applicants must hold a Ph.D. or equivalent degree with emphasis on one or more of: neurotoxicology; toxicology; pharmacology; molecular biology; cell biology; chemical mechanisms (medicinal, pharmaceutical, or agricultural chemistry); protein isolation/sequencing; radioligand binding studies; and photoaffinity probes to investigate mechanisms of mammalian toxicity. Each appointment is made at a level commensurate with academic qualifications and experience. Send curriculum vitae, publication list, and names of three professional references to: **Dr. John E. Casida, Department of Environmental Science, Policy, and Management, 114 Wellman Hall, University of California, Berkeley, CA 94720-3112. Telephone: 510-642-5424; FAX: 510-642-6497**. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSORSHIP, SYSTEMATIC ENTOMOLOGIST: Biology department emphasizing teaching seeks a Systematic Entomologist; tenure-track position; Ph.D. required. Preferred candidate able to teach general biology, genetics, invertebrate zoology, entomology, parasitology, and evolution. Direction of graduate students, research program, and university service expected. Position starts August 2001.

Send curriculum vitae; transcripts; statements of research interests and teaching philosophy; and the names, addresses, and telephone numbers of three references to: **Biology Search Committee, Personnel Department, Station 21, Eastern New Mexico University, Portales, NM 88130**. Screening begins 1 February 2001 but applications accepted until position is filled. For more information, **Telephone: 505-562-2753; website: www.enmu.edu**. *Affirmative Action/Equal Opportunity/Title IX Employer.*

POSTDOCTORAL POSITIONS IN PRION DISEASES Washington University

Positions are available to study the formation and properties of prions, the causative agents of neurodegenerative disorders that include Creutzfeldt-Jakob and mad cow diseases, using biochemical, protein structural, cell biological, transgenic, and histological approaches. Candidates should have a Ph.D. and/or M.D. degree. Please send curriculum vitae, statement of research interests, and the names of three references to: **David A. Harris, M.D., Ph.D., Department of Cell Biology and Physiology, Washington University School of Medicine, 660 South Euclid Avenue, St. Louis, MO 63110 U.S.A. FAX: 314-362-7463; e-mail: dharris@cellbio.wustl.edu**.

POSTDOCTORAL POSITION available immediately to study enterobacterial survival and culturability in municipal waste water using taxon-specific SSU rRNA probes, molecular beacons, and immunofluorescent protein profiling (*Appl. Environ. Microbiol.* 65:4181, 1999). Ph.D. and experience in microbiology and fluorescent microscopy required. Salary commensurate with experience. Please send e-mail, curriculum vitae, research summary, and three letters of reference to: **Dr. Paul Blum, University of Nebraska, E234 Beadle Center for Genetics, Lincoln, NE 68588-0118. E-mail: pblum@biocomp.unl.edu**. *UNL is committed to Affirmative Action/Equal Employment Opportunity and ADH/504. If you require an accommodation, please Telephone: 402-472-2769.*

**Two Tenure Track Positions
Microbiologist and Marine Biologist
Nine-month, Assistant Professor Level**

Microbiologist: research interests in microbiology using molecular techniques preferred. Ph.D. and postdoctoral experience required; demonstrated potential to establish a strong, independent, and extramurally funded research program. Teaching responsibilities will be in our microbiology and molecular biology programs. Microbiologists who strengthen our existing programs in molecular biology, genetics, marine biology, ecology, or physiology are encouraged to apply.

Marine Biologist: research area open to any discipline of marine organismal biology, including interdisciplinary studies that complement and bridge existing programs in 1) ecology, behavior, and evolutionary biology, and 2) physiology, cell and developmental biology of marine organisms. Ph.D. required; postdoctoral experience preferred. Demonstrated potential to establish a strong, independent, extramurally funded research program. Initial teaching responsibilities will include an introductory course in marine biology and an upper level course in the candidate's area of specialization. The successful candidate will assume the duties of coordinator of the undergraduate curriculum in marine biology.

Auburn University actively seeks applications from qualified women and minority candidates.

Evaluation of applicants will begin 15 February 2001 and will continue until the positions are filled. Submit a CV, brief statement of research and teaching interests, and three letters of reference. Marine Biology candidates please also include a statement of how you would develop a contemporary program in marine biology within the context of a comprehensive university. Send materials to:

Dr. Thomas Pitta (Microbiologist) or Dr. Raymond Henry (Marine Biologist)

**Search Committee Chair, Department of Biological Sciences
101 Life Sciences Bldg
Auburn University
Auburn, AL 36849-5407**

Phone (334) 844-6914 (Microbiologist)

Phone (334) 844-9264 (Marine Biologist)

Fax (334) 844-1645

For more information, see the departmental web site at www.auburn.edu/academic/science_math/biology. Auburn University is an equal opportunity/affirmative action employer.

EUROPEAN OPPORTUNITIES



Faculty of Sciences - University of
Lausanne - Switzerland

**Full Professor
(Professeur ordinaire)
metamorphic petrology**

Starting date: 1st October 2001 or as agreed.

Applications should include a curriculum vitae, a list of publications with a copy of five significant publications that are most representative of probable future research directions, a short statement of teaching and research plans, and the names and addresses of three referees.

Send to: Dean of the Faculty of Sciences,
Décanat de la Faculté des Sciences, UNIL,
Collège propédeutique, CH - 1015 Lausanne.

Additional information from <http://www.sst.unil.ch> and Prof. Jean Hernandez -
Director IMG - jean.hernandez@imp.unil.ch

Closing date for applications: **January 15, 2001.**

More details: http://www.unil.ch/sc/pages/news/e_postes.html

Candidates of
either sex are
equally encouraged
to apply

EUROPEAN OPPORTUNITIES



Universität Heidelberg

In der **Fakultät für Pharmazie/Studienbereich Molekulare Biotechnologie** ist am **Pharmazeutisch-Chemischen Institut der Universität Heidelberg** die

**C4-Professur für Pharmazeutische Chemie
mit Ausrichtung: Bio-Organische Chemie**

wieder zu besetzen.

Der/die Stelleninhaber/In soll die Lehre im Bereich Pharmazeutische Chemie/Bio-Organische Chemie für das Fach "Pharmazie" und im neuen Studiengang "Molekulare Biotechnologie" erbringen und in der Forschung auf einem modernen Gebiet der Fachrichtung ausgewiesen sein.

Desweiteren ist in der **Fakultät für Pharmazie/Studienbereich Molekulare Biotechnologie** am **Institut für Pharmazeutische Biologie der Universität Heidelberg** die

**C3-Professur für Pharmazeutische Biologie
mit Ausrichtung: Bioanalytik**

erstmalig zu besetzen.

Der/die Stelleninhaber/In soll die Lehre im Bereich Bioanalytik und Instrumentelle Analytik im Fach Pharmazie und im neuen Studiengang "Molekulare Biotechnologie" erbringen und in der Forschung auf einem modernen Gebiet der Fachrichtung ausgewiesen sein.

Es wird erwartet, dass erfolgreiche Bewerberinnen und Bewerber drittmittelfinanzierte Forschungsprogramme etablieren. Bereitschaft zur interdisziplinären Zusammenarbeit und zur Mitarbeit in zentralen wissenschaftlichen Einrichtungen der Universität wird erwartet. Eine Beteiligung am Graduiertenkolleg „Biotechnologie: Biochemische und molekulare Grundlagen“ ist erwünscht.

Die Stellen stehen unbefristet zur Verfügung. Bei der ersten Berufung in ein Professorenamt ist das Dienstverhältnis gemäß § 67 Abs. 1 UG grundsätzlich zu befristen. Ausnahmen sind insbesondere möglich, wenn Bewerber/innen aus dem Ausland oder aus dem Bereich außerhalb der Hochschulen sonst nicht gewonnen werden können. Soll das Dienstverhältnis nach Fristablauf fortgesetzt werden, bedarf es nicht der erneuten Durchführung eines Berufungsverfahrens. Die Universität Heidelberg strebt eine Erhöhung des Frauenanteils im wissenschaftlichen Bereich an und fordert deshalb qualifizierte Wissenschaftlerinnen nachdrücklich zur Bewerbung auf.

Bewerbungen mit Lebenslauf, Zeugnissen, Urkunden, Schriftenverzeichnis, Kopien von den 5 wichtigsten Publikationen, Darstellung der Forschungsgebiete und Drittmiteleinwerbungen und Nachweis der Lehrerfahrung werden bis zum **10. Januar 2001** an **Prof. Dr. M. Wink, Vorsitzender der Berufungskommission Institut für Pharmazeutische Biologie, INF 364, D-69120 Heidelberg** erbeten.

POSITIONS OPEN

MOLECULAR VIROLOGISTS. Two **POSTDOCTORAL FELLOW** positions are available immediately to study latency of alpha-herpes virus, herpes simplex virus Type 1 (HSV-1), and bovine herpes virus 1 (BHV-1). Regulation of latency by the latency-associated transcripts of HSV-1 and BHV-1 is being studied. These positions are funded by grants from the NIH and USDA. The successful candidates will be responsible for conducting independent research on the molecular biology of latency and viral pathogenesis. Ph.D. required. Experience in molecular biology and virology is necessary. Submit curriculum vitae and the names and addresses of three references to: **Dr. Clinton Jones, Department of Veterinary and Biomedical Sciences, University of Nebraska-Lincoln, 120 VBS, Lincoln, NE 68583-0905. FAX: 402-472-9690; e-mail: cjones@unlnotes.unl.edu.** Review of applications will begin on January 12, 2001, and continue until a suitable candidate is found or the search is closed. *University of Nebraska-Lincoln is committed to Equal Employment Opportunity/Affirmative Action and Americans With Disabilities Act/504.* If you require an accommodation, please call Dr. Jones; Telephone: 402-472-1890.

PLANT MOLECULAR BIOLOGIST

U.S. Department of Agriculture, Agricultural Research Service, has a **POSTDOCTORAL POSITION** in plant molecular biology available immediately to investigate the involvement of Rubisco activase in thermotolerance. Candidate must have a Ph.D. degree in molecular biology or related science. Experience in molecular biology and plant transformation required. Knowledge of protein chemistry is desirable. *Applicants must be U.S. citizens or hold H1B visa/green card.* Salary is \$41,834. Please submit applications to: **Dr. Michael E. Salvucci, USDA-ARS, 4135 East Broadway Road, Phoenix, AZ 85040. Telephone: 602-379-3524, extension 229; e-mail: msalvucci@wcrs.usda.gov.** *USDA-ARS is an Equal Opportunity Employer.*

POSTDOCTORAL POSITION OPEN AT CNRS IN PARIS

Available immediately for three years to study the mechanism of protein aggregation in Huntington disease. Experience in biochemistry and molecular biology preferred. Only candidates with a record of publications in international journals will be considered. Send curriculum vitae and two letters of recommendation to: **Dr. Philippe Djan, UPR 2228 CNRS, Université René Descartes, 45 rue des Saints-Pères, 75270, Paris cedex 06, France. Telephone: +33 1 42 86 20 61; FAX: +33 1 42 86 20 42; e-mail: djan@biomedicale.univ-paris5.fr.**

POSTDOCTORAL POSITION

Position available to study heme and iron metabolism in bacteria and yeast. Projects include analysis of protein-protein interactions, posttranslational control, and transcriptional regulation. See website: www.smbuffalo.edu/bch/faculty/mro.html. Please send curriculum vitae and names of three references to: **Dr. Mark R. O'Brian, Department of Biochemistry, State University of New York at Buffalo, Buffalo, NY 14214. E-mail: mrobrian@buffalo.edu.**

The University at Buffalo is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW MOLECULAR ENDOCRINOLOGY

A Postdoctoral position is available to study developmental regulation of the pituitary-testis axis using transgenic mouse models. Ph.D. candidates with technical background in molecular biology, cell culture, and endocrine physiology are encouraged to apply. Send curriculum vitae and names of three references to: **Dr. T. Rajendra Kumar, Department of Pathology, Baylor College of Medicine, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.**

POSITIONS OPEN



CASE WESTERN RESERVE UNIVERSITY

POSTDOCTORAL FELLOW, RESEARCH ASSOCIATE to study intracellular calcium regulation and its role in apoptosis and Bcl-2 function. Background in calcium imaging and/or fluorometric measurement required. NIH-funded position available immediately. Send letter and names of three references to: **Dr. Clark W. Distelhorst, Department of Pharmacology, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106. E-mail: cwd@po.cwru.edu.** *Case Western Reserve University is an Equal Opportunity Employer.*

PHYSIOLOGIST/TOXICOLOGIST Texas A&M University-Commerce

Tenure-track **ASSISTANT PROFESSOR**. Ph.D. required in biological or environmental sciences. Beginning August 2001. Must be qualified to teach human anatomy and physiology, animal physiology, environmental toxicology, and other courses in specialization. There must be evidence of a strong commitment to teaching, research, and service. Individuals with teaching experience, research record, and potential to attract external funds are preferred. A modern, equipped aquatic toxicology laboratory and start-up funds are available. Send an application letter, curriculum vitae, official transcripts, research agenda, teaching philosophy, and letters from three references to: **Dr. Don Royce Lee, Chair of Search Committee, Department of Biological and Earth Sciences, Texas A&M University-Commerce, P.O. Box 3011, Commerce, TX 75429-3011.** Review of applications will begin on January 10, 2001, and continue until a satisfactory applicant is hired. *Equal Opportunity/Affirmative Action Employer. Any job offer from the University is contingent upon proof of U.S. citizenship, citizenship eligibility, or authorization to work in the United States on a full-time basis.*

SENIOR SCIENTISTS QUEST DIAGNOSTICS

Nichols Institute Diagnostics, a division of Quest Diagnostics, manufactures and markets the highest quality innovative specialty tests worldwide and currently has an immediate opportunity at our San Juan Capistrano, California, location. We need Senior Scientists who can take the lead to invent, design, develop, validate, and improve new or existing products and technologies as well as the transfer and continued manufacture of products by Operations. If you have a Ph.D./M.S./B.S. with five to seven years of related experience, we would like to hear from you. Individuals with broad technical backgrounds in immunoassay or biochemical methods are encouraged to apply. We offer competitive compensation and an excellent benefits package. For immediate consideration, please send or FAX your résumé with salary history to: **Telephone: 949-240-5361; e-mail: vargase@nicholsdiag.com.** *Equal Opportunity Employer.*

FOREST ECOLOGIST. The Wilderness Society seeks an individual to bring science and research to our efforts to (1) protect wilderness, roadless areas, and forest ecosystems and (2) restore ecosystem health and connectivity. Advanced degree in ecology or closely related discipline required. Knowledge of fire restoration science, forest health, watershed integrity, species viability, and invasive exotics preferred. A demonstrated commitment to wilderness and public land protection is essential. Ability to work with teams is important. Position will be located in Boise, Idaho (detailed position description at website: www.wilderness.org). Competitive compensation and benefits package. Applications accepted until position is filled. Submit cover letter explaining qualifications; résumé; writing sample; and names, addresses, and telephone numbers of three references to: **Dr. G. Thomas Bancroft, The Wilderness Society, 1615 M Street, N.W., Washington, DC 20036. Telephone: 202-429-2689; e-mail: tom_bancroft@twso.org.** *Equal Opportunity Employer.*

POSITIONS OPEN

TWO POSTDOCTORAL POSITIONS AVAILABLE

Anticancer Therapeutics and Bioconjugate Chemistry

POSTDOCTORAL FELLOWSHIP (NIH funded) available immediately to work within a multidisciplinary program to study the mechanism of anti-tumor activity of macromolecular therapeutics. Previous work (see **Minko et al., Int. J. Cancer 86:108-117, 2000; Pharmaceutical Res. 16:986-996, 1999**) demonstrated that exposure of human ovarian carcinoma cells/solid tumor models to low molecular weight and macromolecular anticancer therapeutics resulted in different gene expression profiles with concomitant changes in anticancer activity. The project relates to the study of apoptosis regulating signaling pathways specific for macromolecular therapeutics. Special attention will be given to candidates with a strong background in molecular biology and/or cell signaling.

POSTDOCTORAL FELLOWSHIP (NIH funded) available May 1, 2001, to work on the design, synthesis, and characterization of smart biomaterials and drug delivery systems (see **Lu et al., Nature Biotechnology 17:1101-1104, 1999; Wang et al., Nature 397:417-420, 1999; Tang et al., Bioconjugate Chem. 11:363-371, 2000; Kopecek et al., Eur. J. Pharm. Biopharm. 50:61-81, 2000**). Special attention will be given to candidates who in addition to a strong background in synthetic chemistry have experience in cell culture and/or molecular biology.

Highly motivated individuals with a record of productivity and an ability to work well with others are encouraged to apply. Applicants should submit curriculum vitae and names and addresses of three references to: **Prof. J. Kopecek, Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, 30 South, 2000 East, Room 301, Salt Lake City, UT 84112 U.S.A. Telephone: 801-581-4532; FAX: 801-581-3674; e-mail: Jindrich.Kopecek@m.cc.utah.edu.** For further information, visit our website: www.pharmaceutics.utah.edu/Kopecek/.

POSTDOCTORAL POSITION PRION RESEARCH: CHRONIC WASTING DISEASE

We are seeking a Postdoctoral Scientist with training in molecular biology, protein chemistry, and/or immunology to conduct NIH-funded research on mechanisms of infection and antemortem detection of the prion infection, chronic wasting disease, of mule deer and Rocky Mountain elk. Experience with viral vector construction, transgenic technologies, and/or immunological assays desirable. Important is the ability to conduct independent and collaborative research and to advise Ph.D. students in laboratory methodologies, strategies, etc. Minimum requirement: Ph.D. or equivalent degree. Salary commensurate with experience.

Please send résumé and letter of introduction to:

Edward A. Hoover, D.V.M., Ph.D.

**Department of Pathology
College of Veterinary Medicine
and Biomedical Sciences
Colorado State University
Fort Collins, CO 80623-1671**

**E-mail: ehoover@lamar.colostate.edu
Telephone: 970-491-7587; FAX: 970-491-0523**

Colorado State University is an Equal Employment Opportunity/Affirmative Action Employer.

Three **POSTDOCTORAL POSITIONS** available to study (1) the molecular basis of pathogenesis of *Candida albicans* and (2) novel antifungal drug targets. Experience in gene expression analysis, molecular cloning, and/or biochemical assay development is desired. Send curriculum vitae or contact: **Drs. Ron Cihlar/Joy Sturtevant, Department of Microbiology and Immunology, Georgetown University Medical School, Washington, DC 20007. E-mail: cihlarr@gunet.georgetown.edu or sturtevj@georgetown.edu.**

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A challenging opportunity in Pain and Neurology Research: Section Head Bioscience Technology Advancement.

Discovery at AstraZeneca R&D Södertälje, Sweden, is a fully integrated unit comprising of more than 250 staff. Discovery research is carried out at our main site in Södertälje, as well as in Novum Research Park at Huddinge University Hospital. AstraZeneca has recently announced a new R&D Strategy to further strengthen AstraZeneca R&D Södertälje as a Center of Excellence in Drug Discovery for analgesia and neurological disorders.

The Bioscience Technology Advancement Section, within the Bioscience Department, is currently seeking a neurobiologist with a strong background in pain or neurology research to lead the challenging task of spearheading the use of innovative technologies for preclinical evaluation of novel drug development concepts. The section is organized into three research teams – Ex Vivo Biomarkers and Diagnostics, Histology & Imaging Technologies and Non-Pharmacological Concept Testing, including phenotyping of genetically modified animals and anti-sense studies. The research is project oriented and the section interacts closely with other functions within the Discovery organization as well as provides a platform for technology

transfer between Discovery and Experimental Medicine, and other clinical functions. A successful candidate should have a Ph.D. or an M.D. and a solid scientific background within the section's areas of responsibility. Relevant skills include in-vivo pharmacology, neurochemistry or neurohistology. Experience from leading successful research teams in either the pharmaceutical industry or in academia is required. A high degree of networking skills as well as an ability to generate enthusiasm are essential. The Section Head has the responsibility for the staff and the operations of the section and is a member of the Management Team of the Department. For further information, please contact Johan Luthman +46 8 553 285 38.

Please send your written application marked "Sec.Head.Bioscience" no later than January 15 to: hannes.vedin@astrazeneca.com or to AstraZeneca R&D, Hannes Vedin, B213, Human Resources, 151 85 Södertälje.

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POSITIONS OPEN

OPPORTUNITIES IN PHARMACOLOGICAL RESEARCH The Carolina Minority Postdoctoral Scholars Program

The University of North Carolina at Chapel Hill

As part of a continuing commitment to advance underrepresented scholars in higher education, The University of North Carolina at Chapel Hill is pleased to announce the Carolina Minority Postdoctoral Scholars Program. Applications for study in any discipline represented at the University are welcome. In particular, the Department of Pharmacology strongly encourages candidates interested in pharmacological sciences to apply. We are recognized as one of the leading pharmacology departments in the nation. Our research strengths include signal transduction, cancer pharmacology, neuropharmacology, gene therapy, hepatic biology, and protein structural biology.

The stipend will be \$34,000 per calendar year. Health benefits are available. Some funds are available for research expenses including travel. Minority students who will have completed their Doctoral degree no later than July 1, 2001, and no earlier than July 1, 1997, are eligible to apply. Preference will be given to U.S. citizens and permanent residents. This program places emphasis on recent Afro American and Native American Ph.D. recipients.

A completed application must include curriculum vitae, sample publications and/or dissertation chapters, a statement of research plans, and three letters of recommendation. Recommendation letters should accompany application materials. All material should be sent to: Carolina Minority Postdoctoral Scholars Program, Office of the Vice Provost for Graduate Studies and Research, CB Number 4000, 312 South Building, The University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-4000 and must be postmarked by February 1, 2001.

POSTDOCTORAL POSITION C. ELEGANS MUSCLE AND CYTOSKELETON

Emory University School of Medicine
Pathology and Laboratory Medicine

An NIH-funded Postdoctoral position will be available beginning January 1, 2001. Our laboratory is interested in the mechanisms by which the contractile apparatus of muscle and other cytoskeletal structures in nonmuscle cells are assembled. Several possible projects are available including (1) the architectural and signaling roles of a giant polypeptide (UNC-89) in this assembly; (2) the identity and function of several mutationally defined genes that affect the intermediate filament network in muscle; and (3) the function of nematode homologs to vertebrate titin, the largest known polypeptide.

Candidates should have a Ph.D. in cell or molecular biology or genetics or an M.D. with similar research experience. Although not a prerequisite, individuals having prior laboratory exposure to *C. elegans* or *Drosophila* will be given preference.

Please send curriculum vitae, name of two references, and a short summary of past research to:

Guy Benian
Associate Professor
Departments of Pathology and Cell Biology
Woodruff Memorial Building, Room 7109A
Emory University
Atlanta, GA 30322
E-mail: pathgb@bimcore.emory.edu

Emory University is an Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL POSITION is available to study human pancreatic cancer using mouse models. Studies will involve creating and analyzing the mouse models utilizing knockout and promoter-driven transgenic lines currently in progress in the laboratory. Experienced Molecular Biologists or Geneticists with a Ph.D. are encouraged to apply. Previous experiences with ES cell work, tissue culture, and mice will be advantageous. Candidates should contact: Dr. G. H. Su, 720 Rutland Avenue, Ross 632, Baltimore, MD 21205. FAX: 410-614-0671.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP position available at Yale University School of Medicine starting January 1, 2001, to join a laboratory studying the signal transduction events in kidney tubular development and repair. Experience in molecular biological techniques with background in cell biology and/or protein biochemistry preferred. Project involves the use of microarray to examine gene regulation in kidney epithelial cells and determining the regulation, expression, and function of genes identified. Please send curriculum vitae and three references to: Dr. Lloyd Cantley, Yale University School of Medicine, 333 Cedar Street, LMP 2093, New Haven, CT 06520. E-mail: lloyd.cantley@yale.edu.

POSTDOCTORAL POSITION SIGNAL TRANSDUCTION

A Postdoctoral position is available immediately to work on signal transduction by protein tyrosine kinases and G protein-coupled receptors (*JBC* 273: 14468; *JBC* 275:13842; *Cancer Res.* 60:3127). A recent Ph.D. in biochemistry, molecular biology, cell biology, or pharmacology is preferred. Interested candidates please contact: Dr. Jie Wu, Molecular Oncology Program, MRC 3-East, H. Lee Moffitt Cancer Center, 12902 Magnolia Drive, Tampa, FL 33612. E-mail: wu@moffitt.usf.edu.

POSTDOCTORAL POSITION to study gene expression and signaling and protein profiling of multiple myeloma using cDNA microarrays, SNP analysis, and 2D protein/mass spectroscopy. Applicants must have Ph.D., demonstrated productivity in molecular techniques and protein analyses, and a desire to initiate new directions in cancer genetics. Send cover letter indicating research experience, curriculum vitae, and names of three references to: Dr. Brian Van Ness, Department of Genetics, Cell Biology, and Development, University of Minnesota, 6-160 Jackson Hall, 321 Church Street, Minneapolis, MN 55455.

POSTDOCTORAL POSITIONS available to study (1) posttranscriptional regulation of Topoisomerase II in anticancer drug resistance and (2) mechanisms of etoposide-induced leukemogenesis. Molecular Biologists are preferable. Respond to: Jack C. Yalowich, Ph.D., Department of Pharmacology, University of Pittsburgh School of Medicine, Biomedical Sciences Tower W1355, Pittsburgh, PA 15261. E-mail: Yalowich+@pitt.edu; website: <http://www.pitt.edu/%7Epharmwww/Faculty/yalowich.htm>.

POSTDOCTORAL POSITION to study cardiac tissue-specific gene expression and the molecular mechanisms underlining various forms of heart disease. Please send your curriculum vitae to: Jeffery D. Molkentin, Ph.D., Children's Hospital, Division of Molecular Cardiology Biology, 3333 Burnet Avenue, Cincinnati, OH 45229-3039. FAX: 513-636-5958; e-mail: jeff.molkentin@chmcc.org. Children's Hospital is an Affirmative Action/Equal Opportunity Institution.

POSTDOCTORAL POSITIONS available to study (1) the folding/aggregation and membrane interactions of the recombinant prion protein or (2) the chaperone action of small heat shock proteins. Background in biophysical chemistry of proteins required. Experience in molecular biology would be a plus. Send curriculum vitae to: W. K. Surewicz, Ph.D., Institute of Pathology, Case Western Reserve University, 2085 Adelbert Road, Cleveland, OH 44106. E-mail: wks3@pop.cwru.edu.

POSTDOCTORAL POSITION available to study the neurophysiology of motor systems development (*J. Neurophysiol.* 84:2852, 2000). Experience required in CNS electrophysiology. Send curriculum vitae and names of three references (include e-mail addresses) to: Dr. John H. Martin, Center for Neurobiology and Behavior, Columbia University, 1051 Riverside Drive, New York, NY 10038. E-mail: jml17@columbia.edu. An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL RESEARCH POSITIONS

Two NIH-funded Postdoctoral Research positions in neurobiology are available immediately to study (1) the study of mechanisms underlying the regulation of metabotropic glutamate receptor responses in the CNS, (2) the identification of proteins interacting with metabotropic glutamate receptors, and (3) the role of metabotropic glutamate receptors in stroke and ischemia. Requires a Ph.D. and/or M.D. and experience in molecular biology, biochemistry, cell biology, or neurobiology. Please send curriculum vitae and names of three references to: Dr. Julie Saugstad, Legacy Research, Department of Neurobiology, 1225 N.E. Second Avenue, Portland, OR 97232. E-mail: jsaugstad@downneurobiology.org.

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.

POSTDOCTORAL POSITION MOLECULAR ENDOCRINOLOGY AND RECEPTOR DISEASE

A position is available immediately to study the *in vivo* actions of thyroid hormone receptors using receptor knockout and mutation knock-in mouse models of human receptor diseases. DNA microarrays will be used to discover novel, tissue-specific thyroid hormone responsive genes. Candidates must have a Ph.D. and/or M.D. and have a strong background in cell and molecular biology. Contact: Dr. Sheue-yann Cheng, Chief, Gene Regulation Section, LMB, National Cancer Institute, Building 37, Room 2D-24, 37 Convent Drive, MSC 4255, Bethesda, MD. E-mail: sycheng@helix.nih.gov; Telephone: 301-496-4280. NIH is an Equal Opportunity Employer.

POSTDOCTORAL POSITION IN CANCER MOLECULAR BIOLOGY. Strang Cancer Prevention Center is affiliated with the Weill Medical School of Cornell University and situated on The Rockefeller University campus. Applications are invited for the study of the breast and ovarian cancer susceptibility gene BRCA1 and its role in transcriptional regulation. For further information, see *TiBS* 25:469-474, 2000; *Cancer Res.* 60:2411-2418, 2000. Inquiries and applications with curriculum vitae and names of three references should be sent to: Dr. Alvaro Monteiro, Strang Cancer Research Laboratory, The Rockefeller University, Box 231, 1230 York Avenue, New York, NY 10021 U.S.A. E-mail: montei@rockvax.rockefeller.edu.

Princeton University, **POSTDOCTORAL POSITIONS** in evolution and development. Princeton University seeks two Postdoctoral Researchers to study the evolution of gene regulation and function in *Drosophila* species. Familiarity with *Drosophila* genetics and molecular techniques preferred. Ph.D. required. Curriculum vitae and names of three references can be submitted either electronically or by mail. Please send electronic submissions to: Dr. David Stern; e-mail: guimond@princeton.edu. Paper submissions should be sent to: Dr. David Stern, c/o Mary Guimond, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08544. Submit applications by January 5, 2001. Princeton University is an Equal Opportunity/Affirmative Action Employer.



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The successful applicant will participate in a multidisciplinary team effort aiming at the development of new mass spectrometric methods for molecular imaging of biological tissue. For this challenging job in a highly competitive research area, we are looking for an innovative teamplayer with solid practical and theoretical experience in biology or biochemistry. Additional knowledge in mass spectrometry would be advantageous.

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For more information please contact Markus Stoeckli at markus.stoeckli@pharma.novartis.com. Applications with full CV and references should be sent by to:

Novartis Pharma AG
Human Resources
Mr. René Zbinden, Ref. 1632
CH-4002 Basel, Switzerland



The Clinical Pharmacology Department of Novartis, which is part of the company's global development operations, is seeking to recruit an

Imaging Expert

Responsibilities:

With experience in biomedical applications of imaging techniques (MRI, MRS, PET, etc.), the Imaging Expert will apply his/her expertise to the drug development process at Novartis, by identifying drug candidates for imaging studies and participating in conduct of such studies. Other duties will include the search for novel techniques at outside institutions, as well as participation in intramural training programmes, providing input for clinical trial protocols, and identifying new imaging applications for drug development.

Requirements:

Applicants must have a degree in Medicine. Additional preferred prerequisites are experience and a qualification in the application of MRI imaging, particularly in clinical studies and knowledge of imaging in animals. A deep understanding of drug development is required. The successful candidate will have a proven record of scientific activities and will show well-developed interpersonal skills and the innovative self-reliance that comes with scientific creativity. An excellent command of English is essential.

Please send your detailed résumé to the address below. If you would like further information, you may also contact Dr. Sven Erik Godtfredsen, Head of Exploratory Development, Clinical Pharmacology (+41 61 324 3648, sven.godtfredsen@pharma.Novartis.com).

Novartis Pharma AG
Human Resources, Mr. Edward Ritter
CH-4002 Basel, Switzerland

POSITIONS OPEN

POSTDOCTORAL POSITION LAND COVER EXPERIMENTATION

A Postdoctoral Position is available at Duke University to study ecosystem impacts of land cover change. An interdisciplinary collaboration involving Ecologists and Atmospheric Scientists will conduct landscape scale experiments to understand how land use affects plant and animal populations, forest communities, and hydrologic and biogeochemical cycles. As part of a working group on ecological forecasting of Duke's Global Change Initiative, the Postdoctoral position would coordinate large-scale manipulations that include fragmentation studies, development, and suburbanization. With Scientists and planners, the successful candidate would participate in experimental design, implementation, and data modeling. Candidates should have a Ph.D. in ecology or related discipline. Applications, including a brief statement of accomplishments and goals, and curriculum vitae should be sent to:

Dr. Jim Clark
Duke University Phytotron
Box 90340
Durham, NC 27708

Applications are due by January 15, 2001.

OSMOTIC REGULATION OF TRANSCRIPTION Maurice B. Burg, M.D.

A POSTDOCTORAL POSITION is available to study osmotic regulation in renal medullary cells. We have discovered that hypertonicity increases the abundance of osmoprotective proteins including transporters and enzymes. The increases are regulated by a transcription factor, TonEBP/OREBP. We are studying how hypertonicity activates TonEBP/OREBP by affecting its phosphorylation, distribution, and abundance. We are also interested in identifying and characterizing other proteins that associate with TonEBP/OREBP. Experience in molecular biology or protein chemistry is required. Applicants must have a Ph.D. and/or M.D. Student loan repayment assistance may be possible for eligible candidates. Contact: **Laboratory of Kidney and Electrolyte Metabolism, NHLBI, Building 10, Room 6N260, NIH, Bethesda, MD 20892-1603. Telephone: 301-496-3187; FAX: 301-402-1443; e-mail: maurice_burg@nih.gov. NIH is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION is available for up to four years. Research on four human pyruvate dehydrogenase kinase (PDK) isoforms and adaptor protein role of the multidomain E2-60mer core component in activated function and effector modulation of the PDKs. Overexpressed PDKs shut down glucose use in insulin-resistant diabetics. Development of PDK inhibitors is also being pursued. Training and experience in biochemistry and molecular biology (mutant construction) research is required. Send résumé and the names of three references to: **Thomas E. Roche, Ph.D., Department of Biochemistry, Willard Hall, Kansas State University, Manhattan, KS 66506. E-mail: bchter@ksu.edu. Kansas State University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION

Position open from January 1, 2001, to join group (D. R. Chialvo, Rockefeller University; N. F. Otani, Case Western Reserve; R. F. Gilmour, Cornell) studying mechanisms of cardiac arrhythmias using nonlinear dynamical systems approaches. Applicants should have a Doctoral degree and prior experience in nonlinear dynamical systems, computer-aided data acquisition and analysis, and cardiac electrophysiology. Please send letter of application, curriculum vitae, and names of three references to: **Dr. Robert F. Gilmour, Jr., Department of Biomedical Sciences, T7 012C VRT, Cornell University, Ithaca, NY 14853. E-mail: rfg2@cornell.edu. Cornell University is an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

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UNIVERSITY OF PENNSYLVANIA

POSTDOCTORAL training in basic urologic research available through NIH training grant and other grants. Successful applicant will perform basic science-oriented research on urologic diseases (urinary outlet-obstruction, incontinence, erectile dysfunction, etc.). The major areas of research are cell/molecular mechanisms for the regulation of smooth muscle contraction, signal transduction, matrix-muscle interaction, smooth muscle hypertrophy, apoptosis, etc. Knowledge of muscle physiology, biochemistry, and cell/molecular biology desired. There is opportunity for a Physiologist to get trained in biochemistry and molecular biology of contractile proteins and collagen. Candidates for NIH training grants must be U.S. citizens or permanent residents. Salary range at the NIH level: \$26,916 to \$40,000. Submit résumé and three references to: **Dr. Samuel K. Chacko, Director, Basic Urologic Research, University of Pennsylvania, 3010 Ravdin Courtyard, HUP, 3400 Spruce Street, Philadelphia, PA 19104. E-mail: chackosk@mail.med.upenn.edu.**

POSTDOCTORAL FELLOWSHIPS IN APPLIED CONSERVATION

The Nature Conservancy (TNC) announces the fourth round of David H. Smith Conservation Research Fellowships, which provide two-year postdoctoral support in applied conservation biology. Each Fellow will carry out research pertinent to conservation issues in the United States, with an institution selected by the Fellow, in close association with a TNC mentor. Research will focus on priority TNC sites in the United States or questions germane to them. Research themes of particular interest include conservation planning, climate change, and invasive species. Proposals are due February 18, 2001. Funding for Fellows will be available August 2001. For more information, including the proposal guidelines, see the Smith program website: <http://consci.tnc.org/smith.htm>. You can also request a copy of the guidelines by sending an e-mail or writing to: **Smith Conservation Research Fellowship Program, The Nature Conservancy, 4245 North Fairfax Drive, Suite 100, Arlington, VA 22203-1606. E-mail: postdoc@tnc.org. The Nature Conservancy is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION SAINT LOUIS UNIVERSITY

An NIH-funded Postdoctoral position is available to study the effects of hypoxia on redox-sensitive transcriptional regulation of gram-negative bacterial lipopolysaccharide-induced cytokine gene expression. Projects involve characterization of genomic mechanisms as they relate to the oxidant:antioxidant balance with hepatic and pulmonary macrophages during sepsis-related lung injury. A recent Ph.D. with well-grounded training in basic molecular biological techniques is required. Please submit curriculum vitae, including names and addresses of three references, to: **Dr. George M. Matuschak, Division of Pulmonary, Critical Care, and Occupational Medicine, Department of Internal Medicine, Saint Louis University Hospital, 3635 Vista Avenue at Grand Boulevard, Saint Louis, MO 63110. Telephone: 314-577-8856; FAX: 314-577-8859; e-mail: Matuscg@slu.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITION Eunice Kennedy Shriver Center for Mental Retardation

A position is available immediately to study regulation of the mammalian nervous system at the molecular level. The research will focus on isolation of factors that regulate alternative splicing of neuronal-specific genes. Candidates should have a Ph.D. with experience in molecular and cellular biology; knowledge of protein purification techniques is desirable.

The Shriver Center is an affiliate of the University of Massachusetts Medical School. The Department of Biomedical Sciences provides extensive core facilities and many opportunities for scientific interactions.

Please send curriculum vitae and the names/telephone numbers/e-mail addresses of three references to: **Athena Andreadis, Ph.D., E. K. Shriver Center, 200 Trapelo Road, Waltham, MA 02452. E-mail: aandreadis@shriverv.org. The Shriver is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL RESEARCH IN PROTEIN FOLDING

An NIH-funded position is available immediately to study the folding of proteins with similar structures and divergent sequences, emphasizing a structural genomics approach to the folding problem (*Biochemistry* 39:860-871, 2000). Stopped-flow kinetics, NMR, and other biophysical techniques will be used to examine the structures of the intermediate states. Experience in protein chemistry is preferred. Please send curriculum vitae and a list of three references to: **Dr. Ira J. Ropson, Department of Biochemistry and Molecular Biology H171, Pennsylvania State University College of Medicine, Hershey, PA 17033. E-mail: iropson@psu.edu. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION HARVARD MEDICAL SCHOOL

Immediate position available to study the cellular signaling pathways that are altered by HIV-1 infection of CD4+ T cells and involved in HIV-1-induced apoptosis. The focus of this research will be on alternative splicing products induced by HIV-1 (*Biochem. Biophys. Res. Comm.* 276:362, 2000; *J. Biol. Chem.* 275:30925, 2000). Recent Ph.D. and research experience in signal transduction and molecular virology/immunology are required. Send curriculum vitae, brief description of research experience, and names of three references to: **Dr. Wayne A. Marasco, Dana-Farber Cancer Institute, JF 824, 44 Binney Street, Boston, MA 02115. FAX: 617-632-3889. Equal Opportunity Employer.**

POSTDOCTORAL POSITION

Position open from January 1, 2001, to study the role of cardiac K+ channels in electrical restitution and the genesis of cardiac arrhythmias. Applicant should have a Doctoral degree and prior experience in whole cell patch clamping, ion channel biophysics, and regulation of ion channel gene expression. Please send letter of application, curriculum vitae, and three references to: **Dr. Robert F. Gilmour, Jr., Department of Biomedical Sciences, T7 012C VRT, Cornell University, Ithaca, NY 14853. E-mail: rfg2@cornell.edu. Cornell University is an Affirmative Action/Equal Opportunity Employer.**

Highly motivated individuals are invited to apply for a POSTDOCTORAL POSITION to work on the next generation of mouse genetic models for human cancer in a dynamic, interdisciplinary, state-of-the-art-equipped laboratory. Skills in molecular cloning, mouse genetics, functional genomics, and/or experimental pathology are desirable but not required. Please send your curriculum vitae, two representative publications, and names of three references to: **Alexander Nikitin, M.D., Ph.D., Assistant Professor, Department of Biomedical Sciences, College of Veterinary Medicine, T2 015 VRT, Cornell University, Ithaca, NY 14853. Cornell University is an Equal Opportunity/Affirmative Action Educator and Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS

We are searching for **POSTDOCTORAL FELLOWS** to participate in a collaborative research study at the University of Rochester. The participating laboratories provide a rich training environment in the context of a long-established program project aimed at exploring fundamental mechanisms underlying peripheral vascular function. The emphasis of the program is on understanding the role of mechanical and chemical events as mediators of normal and pathological behavior, particularly with regard to inflammation, microvascular perfusion, and cell adhesion. Research areas include blood cell mechanics and cell adhesion; leukocyte and endothelial cell biology, including regulation of adhesive ligand expression and intracellular ion content; and *in vivo* microcirculation. Individuals with doctoral training in vascular biology, endothelial cell culture, cell adhesion and mechanics, membrane biophysics, microcirculatory function, cell physiology, or leukocyte biology are particularly encouraged to apply. Interested applicants should send their curriculum vitae and the names of three individuals who could supply letters of reference to: **Richard E. Waugh, Ph.D., Department of Pharmacology and Physiology, University of Rochester Medical Center, 601 Elmwood Avenue, Box 711, Rochester, NY 14642-8711. FAX: 716-273-2652.**

POSTDOCTORAL RESEARCH ASSISTANT X-RAY CRYSTALLOGRAPHY TEXAS A&M UNIVERSITY

A Postdoctoral position is available immediately in protein X-ray crystallography at Texas A&M University. The work is focused on determining the three-dimensional structure of proteins involved in the degradation of organophosphorus neurotoxins and is a two-year appointment in the laboratories of **Dr. James R. Wild** and **Dr. James C. Sacchettini** in the Department of Biochemistry and Biophysics. The yearly salary range is \$28,000 to \$33,000 commensurate with experience. Please submit curriculum vitae, including names and addresses of three references, to: **Dr. Janet K. Grimsley, Department of Biochemistry and Biophysics, Texas A&M University, Biochemistry Building, Room 335B, College Station, TX 77843-2128. Telephone: 979-845-9459; FAX: 979-845-9274; e-mail: jgrimsley@tamu.edu.**

POSTDOCTORAL POSITIONS DEVELOPMENTAL BIOLOGY

Two NIH-funded Postdoctoral positions available in the Department of Cell and Molecular Biology at the House Ear Institute, Los Angeles, to study the early events in the induction and patterning of the inner ear (see **Groves and Bronner-Fraser, Development 127:3489-3499**). No previous experience of inner ear biology is required, but a strong interest in developmental biology is essential. Starting salary: more than \$36,000 per year plus full health/403(b) benefits package. Relocation expenses may be provided. The House Ear Institute, located in the downtown Los Angeles area, is a nonprofit organization dedicated to the treatment of hearing and balance disorders. Send curriculum vitae and three references to: **Andy Groves, House Ear Institute, 2100 West Third Street, Los Angeles, CA 90057. E-mail: agroves@hei.org.**

Positions in the area of neural regeneration. **SENIOR POSTDOCTORAL** and **RESEARCH ASSISTANT** positions are available to work with a team of Scientists on stem cell biology and genetic engineering. The Postdoctoral Researcher will be responsible for doing animal experiments for the team and needs experience in surgery, behavioral analyses, and immunocytochemistry. The Research Assistant candidate needs experience in cell culture and molecular biology. We are seeking individuals interested in applying these cell and molecular techniques to clinical applications. Salaries are competitive. Interested applicants should send curriculum vitae to: **Spinal Cord Society, 3339 West Prospect Road, Fort Collins, CO 80526.**

POSITIONS OPEN

MOUSE TRANSGENIC FACILITY UNIVERSITY OF PENNSYLVANIA CARDIOVASCULAR DIVISION

Position is available immediately for a **RESEARCH SPECIALIST** to staff a new transgenic facility within the Cardiovascular Division of the University of Pennsylvania. Expertise with pronuclear and blastocyst injections is required. Generous reimbursement and benefits package is available commensurate with experience. Successful applicant will work closely with five to six NIH-funded faculty members to design and carry out experiments within brand-new research and animal care facilities. Necessary equipment and technical and administrative assistance are available. Send curriculum vitae and names of three references to: **Dr. Jonathan Epstein, 954 BRB II/III, 421 Curie Boulevard, Philadelphia, PA 19104. E-mail: epsteinj@mail.med.upenn.edu; FAX: 215-573-2094.**

GLOBAL OPPORTUNITIES

The Division of Integrative Environmental Sciences (website: www.ies.life.tsukuba.ac.jp) in the Graduate School of Life and Environmental Sciences at the University of Tsukuba invites applications for the position of **FULL PROFESSOR** in environmental restoration modeling. Research interests should be in the area of modeling environmental change, modification, and restoration. Cooperation with current research programs in ecology, plant physiology, biochemistry, and Earth sciences would be expected. Preference will be given to applicants with Japanese proficiency.

Interested candidates should submit curriculum vitae; reprints of papers in the past five years; and the names and addresses of two references by January 31, 2001. Send all materials to: **Takehiko Saito, Dean, Graduate School of Life and Environmental Sciences, University of Tsukuba, Tennodai 1-1-1, Tsukuba, Ibaraki 305-8572 Japan. E-mail: saitou@biol.tsukuba.ac.jp.**

FACULTY POSITION OFFER

National Taiwan University has five faculty positions opened for plant biology at levels from **ASSISTANT** to **FULL PROFESSORS**. Candidates with training and an excellent science background will be considered. Applicants must have Ph.D. degree and at least one year of postdoctoral experience. Send curriculum vitae with publication list; statement of interest and plans in both research and teaching; and three reference letters before January 31, 2001, to: **Professor K. W. Yeh, Department of Botany, National Taiwan University, Taipei 106, Taiwan ROC. FAX: 886-2-23262703; e-mail: ykwbppp@ms.cc.ntu.edu.tw.**

POSITION ANNOUNCEMENT DEPARTMENT OF BIOMEDICAL ENGINEERING

Institute of Technology: Technion, Israel

THREE TENURE-TRACK POSITIONS are available. Areas of preference are (but are not restricted to): tissue engineering, biomaterial science and engineering, biosensors, biological signal processing, medical imaging, and biomechanics. For inquiries, contact: **E-mail: mogi@biomed.technion.ac.il; FAX: +972 4 8234131; Telephone: +972 4 8294129/30; website: <http://biomed.technion.ac.il>. Technion City, Haifa, Israel 32000.**

EUROPEAN OPPORTUNITIES

Ludwig Boltzmann Institute for Rheumatology and Balneology invites applicants for a **POSTDOCTORAL POSITION** available in inflammation research. The position requires some experience in cell culture and cell and molecular biology techniques such as Western and Northern blotting as well as knowledge of PCR techniques. Apply in writing to: **Kurbadstrasse 10, P.O. Box 78, Vienna, Austria, A-1107.**

POSITIONS OPEN

POSTDOCTORAL POSITION

Department of Cancer Biology/Harvard School of Public Health. To study the ubiquitination, stability, and localization of p53, p73, and other cell cycle proteins. See *Nature Cell Biol.*, September 2000 and *Cell Growth and Diff.* 11:149-156 for recent work. Respond to: **Carl Maki, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. E-mail: cmaki@hsph.harvard.edu.**

FELLOWSHIPS

PREDOCTORAL FELLOWSHIP IN STRUCTURAL BIOLOGY

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To request a University at Albany application, please contact:

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