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Professor Zachary Fisk, above, Member of the National Academy of Sciences

Professor J. Robert Schrieffer, above, Nobel Laureate in Physics

Professor Jack Crow, below, Director of FSU's National High Magnetic Field Laboratory



FLORIDA STATE UNIVERSITY

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Bookends 7 for OS X Sonny Software Bethesda, MD \$99 www.sonnysoftware.com/ index2.html

OS X REFERENCE TOOL

Bookends 7 is a Macintosh product from Sonny Software that holds the distinction of being one of the first reference management software products to run under the new Mac OS X as well as older "Classic" Macintosh operating systems.

Use of the program is fairly straightforward, with a couple of notable quirks. A trial version, downloadable from the Web, installs easily. A bug that once prevented proper installation of plug-ins in Microsoft Word has recently been fixed.

The functions in Bookends can be accessed either by doubleclicking the program icon or by activating them from within an appropriate word processor (MS Word or Nisus Writer). Like other reference management software programs, Bookends can retrieve references from popular online databases (PubMed, Current Contents, Web of Science, Oberon's Citation, Grateful Med, Agricola, Biosis) and can also import references that have been properly exported from the popular EndNote program. Operation is reasonably fast. Over 600 references can be imported from PubMed in about 2 min. Imported files include the entire abstract, which is completely searchable as a means to identify references. As files are imported into the database, all keywords are tallied in a Term list. Double-clicking on a term in the list enters it into the Find window, allowing users to easily find all references of interest that contain desired terms.

When used interactively with a word processor, Bookends inserts a reference where the cursor is located in a document after the user identifies the desired reference and clicks Copy Citation. After all of the references are entered, Bookends "scans" the document. Scanning causes the references to be gathered in a bibliography, at the end, in a journal-specific format. Most bibliography formats for the popular scientific journals are available. Bookends will also format references when operated independently of a word processor, but the list of supported file formats is small (e.g., no native MS Word formats except RTF).

The program also provides a mechanism to link attachment of files to records in the database. This handy feature allows one to link useful items, such as a PDF of the entire paper, to references for easy retrieval.

In summary, there is little to complain about and a lot to like about Bookends 7 for the Macintosh. Users can become proficient with the program in an hour or so. **—Kevin Ahern**

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

Leica

For more information 800-248-0123 www.leica-microsystems.com www.scienceproductlink.org **MICROSCOPE** The Leica TCS SP2 AOBS (Acousto-Optical Beam Splitter) spectral confocal microscope is the first

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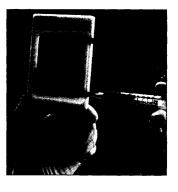
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growth of mammalian anchorage-dependent cells. OptiCell is accessible through self-sealing ports that provide an integrated, sterile fluid path to the chamber interior. Cells can be grown attached to one or both surfaces, or in suspension.

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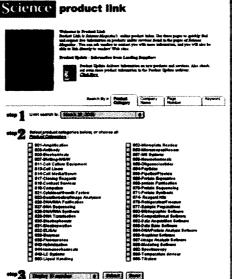
solid, liquid, or gaseous matrices by collection onto a trap, followed by thermal desorption to the GC instrument. Solid materials can be processed in one of a variety of thermal desorption/dy-CONTINUED ON PAGE 937





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CONTINUED FROM PAGE 935

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The Ab Microarray is a complete analysis system for profiling protein expression in biological samples. This new technology advances the state of proteomics by allowing

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POSITIONS OPEN

DIRECTOR Center for Medical, Agricultural, and Veterinary Entomology Gainesville, Florida

This is a Senior Executive Service position with the Agricultural Research Service (ARS), U.S. Depart-ment of Agriculture. The Director of the Center for Medical, Agricultural, and Veterinary Entomology (CMAVE) is responsible for providing leadership and direction to six research units conducting investigations in detection and management of insect pests and disease vectors affecting animals, humans, and plants and in crop genetics and environmental quality. Ap-proximately 40 Scientists at CMAVE represent a variety of disciplines including entomology, chemistry, genetics, molecular biology, plant physiology, agron-omy, agricultural engineering, botany, microbiology, soil science, and zoology. This position requires con-siderable flexibility and skill in providing effective re-search leadership to a diversity of CMAVE programs, many of which are cooperative and multidisciplinary, and involve other ARS laboratories as well as local, state, national, and international government, academic, and private sector laboratories, institutions, and organizations. The Center Director will provide systematic, coordinated planning to achieve broad, goal-oriented research results and to ensure transfer of technology to producers, consumers, and industry. The incumbent must establish and maintain effective work relationships with federal and state action and work relationships with rederal and state action and regulatory agencies, cooperators, and representatives of consumers and industry groups. A Ph.D. in a dis-cipline related to the position is highly desirable. Sal-ary range is \$122,000 to \$138,000. For program information, please contact: Dr. Karl Narang, Area Director; Telephone: 706-546-3311; e-mail: skn@saa.ars.usda.gov. The complete vacancy an-nouncement and information about how to apply is nouncement and information about how to apply is divisions/hrd/vacancy/ or contact Human Re-sources Division; Telephone: 301-504-1448. Ap-plications must be residue the 2010 and 2010 an plications must be received by June 24, 2002. USDA, ARS is an Equal Opportunity Employer.

WILDLIFE POPULATION ECOLOGIST

University of Nebraska-Lincoln School of Natural Resource Sciences (SNRS) seeks a tenure-track AS-SISTANT/ASSOCIATE PROFESSOR Wildlife Population Ecologist for a 12-month, 60 percent research, 40 percent teaching appointment. Requires a Ph.D. in wildlife ecology, ecology, or related field with expertise in quantitative approaches to population analyses/modeling, experience with interdisciplinary and collaborative research, and a strong commitment to undergraduate and graduate education. The successful candidate will be expected to develop an externally funded research program addressing issues such as spatial dynamics of animal populations, threatened and endangered species, invasive and exotic species, or wildlife disease dynamics. Teaching responsibilities include an existing undergraduate/graduate course (bi-ology of wildlife populations) and developing a new graduate-level course in an identified area of specialization. See the SNRS website: http://snrs.unl.edu for more information on the School and the position. Review of applications will begin June 3, 2002, and continue until a successful candidate is identified or the recruitment is closed. Applications including curriculum vitae, statements of research and teaching interests, and contact information for three references should be sent to: Dr. David Wedin, Search Committee Chair, School of Natural Resource Sciences, University of Nebraska-Lincoln, 102 A Plant In-dustry Building, P. O. Box 830814, Lincoln, NE 68583-0814. No electronic applications will be accepted. The University of Nebraska is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual-career couples. We assure reasonable accommodation under the Americans With Disabilities Act. Contact: Dr. Wedin; Telephone: 402-472-9608; e-mail: dwedin1@unl.edu for additional information or accommodation

POSITIONS OPEN

DIRECTOR NEURO-ONCOLOGY PROGRAM

The Children's Cancer Research Center (CCRC) of the University of Texas Health Science Center at San Antonio (UTHSCSA) in collaboration with the Department of Pediatrics is seeking an academic Pediat-ric Neurologist at the ASSOCIATE PROFESSOR or **PROFESSOR** level to lead a research program in neuro-oncology. CCRC is especially interested in candidates capable of directing research programs aimed at assessment, prevention, and recovery of function after exposure of the developing brain to therapeutic radiation, chemotherapy, and/or surgery. The ideal candidate should be Board certified in pediatrics and child neurology and have demonstrated research expertise (including extramural research funding) in areas such as functional brain mapping, CNS gene therapy, or neural stem cells. CCRC is funded by a \$200 million endowment from the State of Texas tobacco settlement and support commensurate with the planned scope of activities, including the rate with the planned scope of activities, including the recruitment of junior-level Scientists, is readily avail-able. CCRC will occupy a newly constructed, state-of-the-art laboratory building in 2003–2004. Individuals with relevant experience and qualifica-

tions should send a cover letter, curriculum vitae, and names of three references to:

Anthony J. Infante, M.D., Ph.D. Interim Director, Children's Cancer Research Center The University of Texas Health Science Center at San Antonio Mail Code 7810 7703 Floyd Curl Drive San Antonio, TX 78229-3900

UTHSCSA is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY New Mexico Highlands University

New Mexico Highlands University invites applications for a tenure-track Assistant Professor position in cell biology beginning June 2002. This position is partially externally funded and provides for 50% released time for research, equipment funds, and startup costs for two years, after which the position will be fully funded by the institution. Expectations include teaching undergraduate and graduate courses in biology and establishing an externally funded research program involving students. A Ph.D. degree is required and postdoctoral experience is preferred. Favorable consideration will be given for indication of grant funding success. Submit letter of interest, curriculum vitae, names and telephone numbers of three references, and statement of teaching philosophy and research plans to: Academic Affairs, Assistant Professor of Biology Search Committee, New Mexico Highlands University, Las Vegas, New Mexico 87701. Screening begins March 15, 2002, and will continue until the position is filled.

The Laboratory of Experimental Immunology LEI), Center for Cancer Research, Nattional Cancer Institute (NCI), at Frederick, Maryland, invites applications for a tenured/tenure-track INVESTIGA-TOR to independently conduct basic and/or translational research. Applicants should have a Ph.D. or M.D.; demonstrated record of scientific accomplishments; and a strong background in the cellular, bio-chemical, and molecular analyses of macrophage/ dendritic functions focused on the biology and/or translational applications of monocyte/dendritic cells and their interface between innate and adaptive immunity. The LEI has a strong innate immunity focus. Salary, laboratory space, and funding for equipment and technical and postdoctoral support are provided. Salary commensurate with education and experience. Send curriculum vitae, brief statement of research interest, and three letters of recommendation to: Ms. Susan Charbonneau, Executive Secretary, NCI at Frederick, Building 560, Room 31-93, Frederick, MD 21702-1201. Closes July 15, 2002. The NCI is an Equal Opportunity Employer. Applicants must be U.S. citizens or permanent residents.

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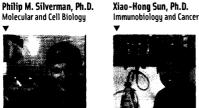
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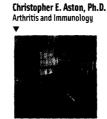
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Program Head, Developmental Biology

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Free Radical Biology & Aging Research

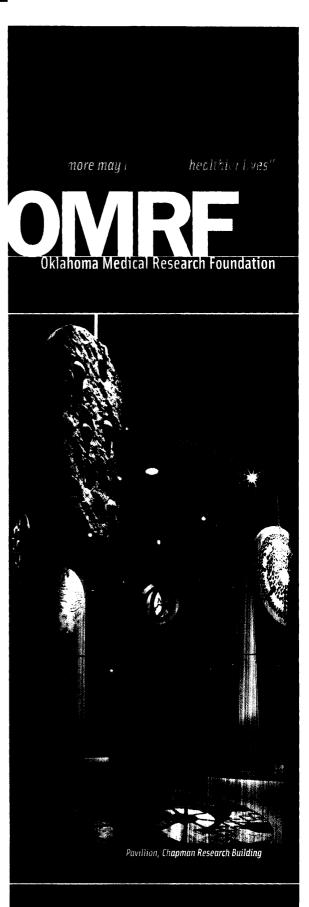
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Applications close Friday, 24 May 2002.

Victoria University is an Equal Opportunity Employer. molecular mechanisms of nervous system development and plasticity. Reference should be made to the institute website (www.fmi.ch) for information on the research interests of the six internationally established neurobiology groups currently working at the FMI.

The Friedrich Miescher Institute, part of the Novartis Research Foundation, is an international biomedical research centre with 280 members, including 180 postdoctoral fellows and graduate students, pursuing fundamental research in the areas of Neurobiology, Cell Growth and Signalling, and Epigenetics. Special emphasis is placed on providing frontline technology ranging from mass-spectrometry and DNA array analysis to live cell imaging and experimental mouse genetics. The FMI is situated in Basel, a city offering an outstanding scientific and cultural environment in the centre of Europe.

Formal application by CV, including the names and contact details of three referees and a concise description of research interests and future plans should be sent to our secretary Mrs. Erika Laschinger, Friedrich Miescher Institute, Maulbeerstrasse 66, 4058 Basel, Switzerland. Please mark applications with the reference "Group Leader in Neurobiology". The closing date for applications is 31st May 2002.



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IBEA is dedicated to exploring solutions for carbon sequestration using microbes, microbial pathways, and plants. IBEA is working on the development and use of biological pathways and microbial metabolism to produce fuels with higher energy content in an environmentally sound fashion. Available positions include:

Director/Deputy Director—to oversee daily operations of IBEA.

Senior Scientists—to lead projects on metabolic engineering; microbe isolation from environmental samples; genome sequencing; comparative genomics; hydrogen production; methane metabolism.

Research Associates—with molecular biology, microbiology and biochemistry experience.

TCAG P.O. Box 8065 Gaithersburg, MD 20898-8065

$J \cdot I \cdot A \cdot S \cdot C$

Director of Joint Institute for Advanced Scientific Computing

The University of North Carolina system, including North Carolina State University and the University of North Carolina at Chapel Hill, Duke University, Wake Forest University, and MCNC, the home of the North Carolina Supercomputing Center, is establishing a Joint Institute for Advanced Scientific Computing. The mission of the JIASC is to create the theoretical, mathematical and computational approaches required to take full advantage of terascale and beyond computers for modeling complex natural and man-made systems. The focus of the JIASC will be on computational materials and molecular science, nanoscience and engineering, biology and bioinformatics, and environmental science and engineering augmented by programs in computer science and applied mathematics for scientific computing.

Initial funding for the JIASC will be provided by MCNC. This funding will support the Director and his/her administrative office, graduate student and postdoctoral fellowships, seminars and symposia, and a visiting scientist program.

We are seeking a dynamic individual to be the founding Director of the Joint Institute. This individual should have a broad knowledge of computational science, computer science, and applied mathematics as related to high performance (scientific) computing. He or she should have an international reputation as well as a strong record of accomplishment in the field of high performance computing. A clear vision for the future of the Joint Institute and strong communications skills will also be needed. Qualified candidates will be considered for a faculty position at one of the Research Triangle universities (NCSU, UNC-CH, or Duke).

Please forward applications with a curriculum vitae, a brief description of research and leadership accomplishments and future research directions, and a list of four references to: MCNC, Human Resources, Reference Number 646, PO Box, NC 27709-2889. Electronic applications may be sent to hr@mcnc.org (pdf files preferred). Review of applications will begin on June 1, 2002 and continue until the position has been filled. No phone calls or agency referrals please.

We are an Affirmative Action/Equal Opportunity Employer. We welcome and encourage diversity in our workplace.



SENIOR RESEARCH SCIENTIST U. S. ARMY RESEARCH OFFICE RESEARCH TRIANGLE PARK, NC

The Senior Level position is located in the Office of the Director of the U.S. Army Research Office which conducts broad theoretical and experimental programs of basic and applied research in physics, materials science, electronics, mathematical sciences, chemical and biological sciences,

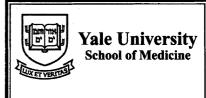
mechanics, environmental science, and communications and information research. The incumbent's principal area of responsibility will span two or more of the following activities: biotechnology, nanotechnology, microelectronics, solid-state physics, fluid mechanics, laser and optical sciences, atmospheric science, energetic materials, quantum theory, advanced materials/materials processing. The incumbent will be instrumental in developing significant technology transfer activities from basic research to applied research and in some instances through deployment into fielded Army systems. Leadership in interfacing the Army's technical needs with the extramural university community will be an important component of this position. The incumbent interacts with international engineers and scientists from industry and academia, and with scientists and engineers in Army laboratories. The incumbent uses these contacts and inherent expertise to assess priorities in the frontier areas of science and engineer relevant to the Army, and to implement technology transfers to the Army, and other military services and industry. It is anticipated that the individual research for this position would be performed at a local (Research Triangle area of North Carolina) university utilizing the Army Research Office staff research program.

Salary range is \$107,658 - \$138,200 depending upon individual qualifications and salary history.

For further information related to the position, contact: Dr. Andrew Crowson, ATTN: AMSRL-RO-P, P.O. Box 12211, Research Triangle Park, NC, 27709-2211, (919) 549-4261, fax (919) 549-4399, email: crowson@aro.arl.army.mil

You may obtain an application package and information from www.usajobs.opm.gov, (search on "job openings," then "Senior Executives," then "North Carolina" and then Vacancy Announcement DA-ST-01-02.) Direct any procedural questions to Mae Horsey at (703) 617-9415 or write to: Commander, U.S. Army Materiel Command, ATTN: AMCPE-CS, 5001 Eisenhower Ave., Alexandria, VA 22333-0001.

Applications must be postmarked no later than 31 May 2002.



FACULTY POSITIONS AT THE ASSISTANT OR ASSOCIATE PROFESSOR LEVEL

DEPARTMENT OF PHARMACOLOGY

The Department of Pharmacology is currently building a program in the area of signal transduction, with special interest in genetics, molecular biology, and structural biology with cell signaling, and seeks candidates with an outstanding record in this area. Candidates with existing research grants would be particularly welcome.

Applicants should include a curriculum vitae, statement of research plans, and three letters of recommendation. Applications should be sent to:

Search Chair, Faculty Search Committee Department of Pharmacology Yale University School of Medicine 333 Cedar Street, P.O. Box 208066 New Haven, CT 06520-8066

Application Deadline: Sept. 1, 2002



The USDA, Gene Evaluation and Mapping Laboratory, Beltsville, Maryland is seeking a

Research Animal Physiologist/Molecular Geneticist/Molecular Biologist, GS 11/12/13 (salary range is \$46,469 to \$86,095), to investigate nuclear transfer as a tool to genetically improve farm animals. Research will include: designing and testing gene constructs; transfection and homologous recombination of mammalian cells; assaying gene expression in cloned embryos and animals; oocyte maturation, activation, and enucleation; nuclear transfer, and embryo culture and transfer. Ph.D. is preferred. Applicants must demonstrate: knowledge of molecular genetics, cellular biology, and embryology as applied to mammalian transgenesis and nuclear transfer; ability to plan, conduct, interpret, present and publish molecular and cellular biology research. Skill in designing, fabricating, and testing fusion eukaryotic genes; skill in mammalian embryo culture techniques; and the ability to measure gene expression during embryo/fetal development. U.S. Citizenship is required.

For information on the research program contact: Robert Wall, email bobwall@anri.barc.usda.gov. Applicants must address specific education, experience and skill factors indicated in vacancy announcement no. ARS-X2E-2274. Call 301-504-1369 for information and/or application packet or search internet at http:// www.ars.usda.gov. Applications must be submitted by June 10, 2002.

USDA/ARS is an Equal Opportunity Employer.



We are 400 scientists in a new biotech company Now we are looking for a Screening Director

Biovitrum is a unique biotech company. We have the experience, projects and resources of an established pharmaceutical company and the entreprenurial spirit, flexibility and growth potential of a start-up company. Our Discovery Research is focused on metabolic diseases, primarily Obesity and Diabetes type 2. These are therapeutic areas where the unmet medical need is large and our portfolio contains a number of very attractive projects in different stages from early target discovery to clinical trials. We are now looking for a Director for the Assay Development & Screening department. This is a department with 40 scientists divided into three sections: HTS, Cell and Molecular Biology and Molecular Pharmacology. As the Director for Assay Development & Screening, you will be a member of the Biovitrum Research Management team and participate in the strategic leadership of the Biovitrum research portfolio as well as Biovitrum itself.

TO APPLY OR READ ABOUT THIS OR OTHER JOB OPENINGS GO TO WWW.BIOVITRUM.SE

Questions can be forwarded to the head of Research, johan.kordel@biovitrum.com

Biovitrum is a biotech company focused on drug discovery and development in metabolic diseases, such as obesity and diabetes type 2 as well as development, manufacturing and marketing of recombinant therapeutic proteins. Biovitrums operations are to a large extent financed by manufacturing and marketing of, and royalty incomes from, Refacto®, owned by Wyeth Biopharma. Biovitrum presently has two compounds in clinical trials and is one of Europes largest biotech companies with over 400 scientists.

Senior Director, Scientific Programs Society for Neuroscience Washington, D.C.

The Society for Neuroscience, a national professional society representing the neuroscience community, has an immediate opening for a Senior Director, Scientific Programs. The Society's two most visible endeavors are its professional journal, *The Journal of Neuroscience*, and its Annual Meeting. The Society also plays an important educational and advisory role in supporting research and programs. Located in downtown Washington, the Society's operations are supported by 53 staff and a budget of \$15M. The Senior Director reports to the Executive Director and has responsibility for three departments: *The Journal of Neuroscience*, Annual Meeting Program, and Educational Programs.

Qualifications:

- · Substantial background in academic and electronic publishing;
- Experience in the management of scientific and educational programs;
 Excellent systems project management experience including management of outside vendors;
- An earned doctorate in neuroscience or related discipline;
- Substantial supervisory experience managing staff and budget;
- An understanding of, and appreciation for, the scientific and public missions and culture of a scientific society;
- Excellent written and verbal communication skills;
- Mastery of business and e-business software;
- · Demonstrated good judgment and team leadership;
- Flexibility, creativity, and a good sense of humor.

Compensation: Highly competitive, depending on qualifications and experience

To apply, mail and/or email a resume with cover letter and references to: SFN search, Auerbach Associates, 65 Franklin Street, Boston, MA 02110; E-mail: judith@auerbach-assc.com.

The Society for Neuroscience is an Equal Opportunity Employer.



FACULTY POSITION Assistant Professor Center for Cell Biology & Cancer Research Albany Medical College

The Center for Cell Biology & Cancer Research at the Albany Medical College announces the availability of tenure-track faculty positions at the Assistant Professor level. The successful candidate's research will interface with scientific programs within the Center which has a strong focus on tissue remodeling, wound repair and tumor growth/metastasis. Studies by Center Faculty concentrate on molecular mechanisms regulating cell adhesion and motility, angiogenesis, growth factor and matrix-dependent signal transduction, and gene therapy of cancer. The applicant will be expected to develop an extramurally-funded research program emphasizing molecular and/or genetic approaches to problems relating to these focus areas.

Qualifications include a Ph.D. degree and a demonstrated track record of excellence in research. Applicants will be expected to participate in the teaching missions of both the Graduate and Medical Schools.

Full consideration will be given to those applications received by June 30, 2002. Curriculum vitae, description of research interests, and at least three letters of reference are required; providing copies of published papers is strongly encouraged. All materials should be submitted to:

Paul J. Higgins, Ph.D. Center for Cell Biology & Cancer Research (MC-165) Albany Medical College 47 New Scotland Avenue Albany, NY 12208

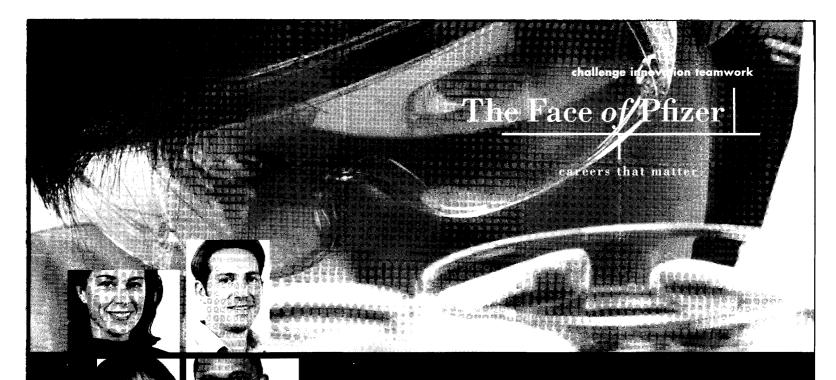
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At Pfizer Global Research & Development, we build our success on the innovation, skills and entrepreneurial spirit of each of our colleagues. As an integral member of our team, you will find myriad opportunities to assert your scientific independence as you generate results that will advance our ultimate goal of creating life enhancing therapies. You will also benefit from a wealth of resources, the support of an exceptional team, and the chance to work on some of the most exciting science in the industry. Count the ways you can impact lives as you bring your ideas to life at Pfizer in these positions in **Groton, Connecticut.**

Assistant Scientist – Multiple Opportunities

We currently have 2 positions available for experienced Scientists to set up and perform *in vivo* physiological and pharmacological studies. One position will be aimed at the discovery of new and/or additional and secondary therapeutic indications, while the other will focus on behavior and/or respiratory assays to evaluate new chemical tools. Both positions will be responsible for and/or respiratory assays to evaluate new chemical tools. Both positions will be responsible for the profiling of genetic targets across a battery of physiological assays. These positions require a BS degree (MS preferred) and 2+ years experience in pharmacology/physiology or a comprehensive understanding of biological systems. Experience in data collection and reporting via graphical and statistical analyses is essential, as are diverse *in vivo* laboratory animal expertise and excellent survival surgical skills. Req. #20Mar0211820

Research Scientist

Collaborating with a talented multidisciplinary team on an exciting new partnership with Discovery team scientists, you will profile and characterize novel chemical tools, looking for new and additional/secondary therapeutic indications. Responsibilities include profiling genetic targets across a variety of physiological assays, and working on *in vivo* physiological and pharmacological techniques such as respiratory, endocrine and/or behavioral neuroscience models. You must have a PhD or equivalent, 5 years postdoctoral experience, and a solid background in *in vivo* animal physiology and pharmacology. Experience in a general pharmacology group and a diverse scientific background are desirable. Req. #20Mar0211821

Ribosome Crystallography Program

We have a large research program dedicated to discovering novel antibiotics. Structure-based drug design is an important component of this effort and we are looking for talented individuals to help establish and play a major role in a multidisciplinary ribosomal crystallography team. Candidates must have a BS, MS or PhD and experience in some or all aspects of ribosomal purification, crystallization, data collection and structure solution. Req. #08Apr0212183

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

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Global Research & Development



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY POST-DOCTORAL PROGRAM National Health and Environmental Effects Research Laboratory

The National Health and Environmental Effects Research Laboratory (NHEERL) of the U.S. Environmental Protection Agency (EPA) has an active post-doctoral research program with current vacancies. We are accepting applications for these vacancies from May 1 through June 28, 2002. As one of the national laboratories within the Office of Research and Development (ORD), NHEERL is EPA's focal point for scientific research on the effects of contaminants and environmental stressors on human health and ecosystems.

Because of NHEERL's broad research mission and multi-disciplinary approach, we seek candidates from a wide range of disciplinary backgrounds. The preferred candidate will have earned a Ph.D. (or equivalent doctoral degree) in the following areas (or a closely related field): biochemistry, biology (e.g., cellular, molecular), biomedical or chemical engineering, biostatistics/modeling, development and reproduction, ecology (e.g., aquatic, coastal systems, coral, ecosystem, estuarine, landscape, marine, microbial), ecotoxicology, endocrinology, environmental sciences, epidemiology, genetics, geographic information science, geomorphology, geostatistics, immunology, microbiology, neurosciences, pharmaceutical sciences, pharmacology, or toxicology. Candidates with an M.D. or D.V.M. degree and a background demonstrating experience conducting scientific research may also be considered.

These positions are excepted service appointments for two to three years, and offer a salary range of 337,428 - 570,555, commensurate with qualifications. The selected candidates will be eligible for a full benefits package, including relocation expenses, health insurance, retirement, and vacation and sick leave.

To obtain specific information on current research projects that are open and application requirements, please visit the NHEERL Internet site at http://www.epa.gov/nheerl.

United States citizens are preferred and will be given first consideration for all positions. In the absence of qualified U.S. citizens, applications of U.S. permanent residents who are citizens of countries specified as exceptions to the appropriations act ban on paying non-U.S. citizens may be considered. Further information on Federal employment on non-citizens is available at http://www.opm.gov/employ/html/citizen.htm.

Questions may be directed to Ms. Dorothy Carr at (800) 433-9633.

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

USDA, AGRICULTURAL RESEARCH SERVICE SUBARCTIC AGRICULTURAL RESEARCH UNIT FAIRBANKS, ALASKA

A Research Entomologist/Research Leader position is open immediately at the GS-14/15 level. U.S. citizenship is required. Salary is commensurate with experience in the range of \$70,205 to \$107,357 plus 25% cost of living adjustment and benefits. The incumbent provides critical leadership and expertise in integrated pest management (IPM) practices and mitigation strategies, and contributes to cooperative efforts with other ARS, public and private research programs. The mission of the unit is to improve the understanding and control of invasive plant pests, plant pathogens or weeds of agricultural importance in subarctic cropping and Alaskan natural systems; to collect and preserve important Arctic plant germplasm resources, and to develop effective and economical utilization of byproducts from fish processing. A Ph.D. is desired. In addition to the basic requirements. candidates must demonstrate the knowledge and skill to plan, conduct and document research dealing with the control of exotic invasive pests and pathogens and skill in supervising a multidisciplinary research team. Applicants must address and meet specific placement factors and specialized experience as defined in the official vacancy announcement #ARS-X2W-2284. The vacancy announcement and application forms can be obtained by calling 301-504-1482 or through the web at www.ars.usda.gov. All applications must be postmarked by May 31, 2002. For further information contact Veronica Cullum at 510-559-6071 (fax: 510-559-5779). THE USDA IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER.

The USDA, Agricultural Research Service (ARS) Exotic and Invasive Diseases and Pests Research Unit in Parlier, CA is seeking the following:

RESEARCH PLANT PHYSIOLOGIST/BIOCHEMIST (GS-12/13/14): The incumbent will be responsible for conducting both basic and applied research on the physiological plant responses, and biochemical mechanisms of resistance, to pathogen infection and disease development and to insect pests. The research will focus on, but not necessarily be limited to, *Xylella fastidiosa*-plant host interactions and glassy-winged sharpshooter-plant host interactions. The research assignment will involve the identification and characterization of critical plant host responses involved in insect pest biology, pathogen infection and disease development.

RESEARCH MOLECULAR BIOLOGIST/PLANT GENETICIST (GS-12/13/14): The incumbent will be responsible for conducting both basic and applied research on the molecular and genetic basis and control of fundamental processes involved in plant host-pathogen-insect vector interactions. The research will focus on, but not necessarily be limited to, *Xylella fastidiosa*-plant host interactions, glassy-winged sharpshooter-*Xylella fastidiosa* interactions, and glassy-winged sharpshooter-plant host interactions. The research assignment will involve the identification and characterization of critical genes, as well as determination of the function and regulation of those genes, involved in these interactions.

BOTH research assignments will be part of a multidisciplinary research team to develop effective integrated insect and disease management strategies to reduce losses during crop production. Incumbents will develop an independent research program, but research activities will be coordinated with those of other ARS and university scientists. A Ph.D. or equivalent in plant physiology, plant biochemistry or related scientific discipline is desired.

Candidates must be U.S. citizens. USDA-ARS is an equal opportunity provider and employer. Salary: Commensurate with experience (\$54,275-\$99,150 per annum). Application forms and the official vacancy announcement #ARS-X2W2261 containing additional specific information may be obtained at http://www.ars.usda.gov. Applications must be postmarked by the closing date of June 3, 2002. Contact: Ed Civerolo, (559)596-2922.

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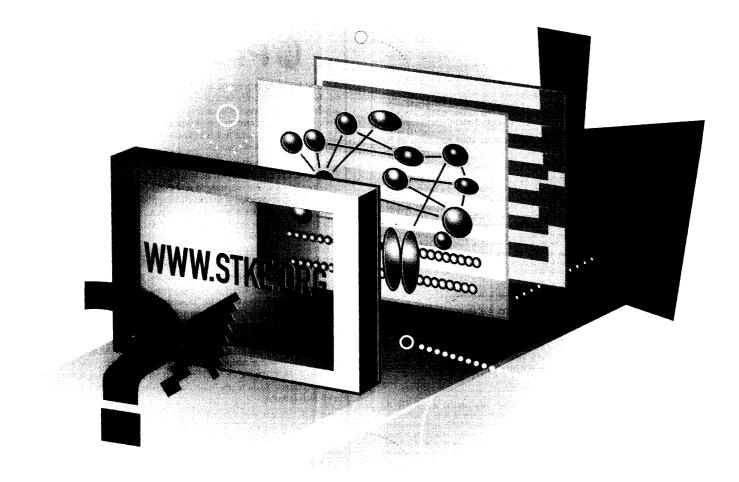
University of Iowa Postdoctoral Research Scholar (3 positions available)

Molecular genetic analysis of high-frequency switching in *Candida* albicans and *Candida* glabrata. Candidates must have a Ph.D. with a strong background in molecular biology.

If interested, please send a brief description of research experience and interests, curriculum vitae with a list of publications, and the names and contact information of three references to:

> Dr. David R. Soll 300 Biology Building East Department of Biological Sciences Iowa City, IA 52242 E-mail: david-soll@uiowa.edu

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



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DR. REDDY'S LABORATORIES LIMITED

Dr Reddy's Laboratories Limited is an emerging global pharmaceutical company focused on creating and delivering innovative solutions that enable people to lead healthier lives. Dr. Reddy's Laboratories has rapidly evolved to become the premier corporate pharmaceutical research enterprise in India. The research programs at Dr. Reddy's Laboratories have yielded a robust pipeline of novel therapeutics currently in pre-clinical development. Our company is now poised to become a world-class center for the discovery and development of innovative therapeutic agents. We have assembled a team consisting of some of the finest chemists, pharmacologists, biologists, and molecular biologists in the industry. We are currently seeking to add scientists to this dynamic team of researchers and we invite applications for the following positions:

DIRECTOR – DISCOVERY CHEMISTRY: You will be responsible for planning and implementing the discovery chemistry program. The ideal candidate has an in-depth understanding of most current and cutting-edge approaches in medicinal chemistry, and you have the ability to incorporate this knowledge into a discovery program capable of rapid lead compound development. This position requires an individual with demonstrated success in project management and co-ordination in an interdisciplinary environment. The ideal candidate has a through understanding of IP matters related to drug discovery. Skills: A Ph.D. in Organic or Medicinal Chemistry with a minimum of 10 years work experience and a track record of successfully leading dynamic research teams in the industry is essential. The candidate should have experience in the use of software that enables and accelerates the drug discovery.

SENIOR SCIENTIST – DISCOVERY CHEMISTRY: You will be responsible for the design, synthesis and characterization of novel small organic molecules for biological evaluation in selected therapeutic areas. You will plan and execute research projects, supervise chemists engaged in medicinal chemistry research and co-ordinate with discovery groups in biology. Skills: A Ph.D. in Organic or Medicinal Chemistry with 3-6 years of post doctoral and/or industry experience is essential. Experience in combinatorial/parallel syntheses and knowledge of software related to different aspects of drug discovery is preferred.

SCIENTIST – BIOCHEMISTRY / IMMUNOLOGY: You will be responsible for development of biological assays to screen and profile potential drug candidates in the areas of diabetes, obesity, and inflammation. Skills: A Ph.D. in Biochemistry, Cell Biology, Molecular Biology or related discipline is essential. Two years of post-doctoral experience preferably in pharmaceutical or related areas is highly desirable. You have practical experience in receptor biology, signal transduction, mammalian tissue culture and different biochemical techniques.

SCIENTIST - PHARMACOLOGY: You will be responsible for carrying out different *in vitro* and *in vivo* pharmacological studies of novel drug substances. Skills: A Ph.D. in Biochemistry or Pharmacology with 2-4 years of experience in the pharmacology sector is preferred. Practical experience in cardiovascular pharmacology, safety pharmacology, telemetric analysis, isolated organ studies, or similar research methods is strongly preferred.

SENIOR SCIENTIST(S) – DRUG METABOLISM: You will perform in vitro metabolism experiments using S9 fractions, liver microsomes, liver slices, hepatocytes and other tissue homogenates; in vivo metabolism experiments for metabolite elucidation, including isolation and identification of metabolites from plasma, urine, and feces from both animals and humans. You will perform experiments to identify specific CYP isozymes responsible for metabolites. You will present your data internally and be responsible for the preparation of full study reports. Skills: A Ph.D. in Pharmacy or Pharmacology with 2-4 years of experience in the pharmaceutical sector is preferred. You have a proven track record in the preparation of microsomes, S9 fractions, tissue/liver slices, hepatocytes and other relevant in vitro reparations. In addition, you possess demonstrated expertise in extraction techniques of drug metabolites from biological matrices, HPLC method development, use of LC/Radioflow detector, LC/DIode array detector, LC/MS, LC/MS/MS, LC/Radioflow detector/MS, use of stable isotope labeling techniques, and mass spectral data interpretation. Good communication skills and an ability to work in a team environment are essential.

FORMULATION SCIENTIST: You will perform preclinical, clinical drug formulation development and analysis of the pharmaceutical dosage forms. You will be responsible for characterization of both drug substance and final drug product, as well as performing and documenting biochemical and biophysical assays. You will be involved in method transfer and scale-up procedure. You will develop specifications for drug product and excipients. Skills: A Ph.D. in Pharmacy with 2-4 years of experience in the pharmaceutical sector is preferred. You have a proven track record in formulation development of liquids, solids and semi-solids including sound knowledge of short and long term stability protocols; a thorough knowledge of physical and chemical characterization; experience in dissolution testing and disintegration procedures; hands-on experience in the use and data interpretation of HPLC, GC, spectral analysis (IR, NMR & MS), X-ray diffraction, and other analytical methods including use of dissolution apparatus.

Please send your resume with the names and contact information for two references within 10 days to **The HRD Department, Discovery Research, Dr. Reddy's Laboratories Ltd.**, 7-1-27, Ameerpet, Hyderabad 500016, India. For prompt review, please submit your application by facsimile (91-40-3045438) or via email (<u>drfhrd@drreddys.com</u>), indicating the position you are applying for in the subject line. Applications submitted via email must be in either plain text or PDF format. Further information on Dr. Reddy's Laboratories Limited can be found at our website: <u>http://www.drreddys.com</u>.

PRODIGENE.

A world leader in expression and purification of recombinant proteins in plants invites applicants for full-time positions. All candidates should be highly motivated, possess excellent communication skills, and desire to work in a high performance environment with multidisciplinary teams. All candidates will need to have excellent skills in project management and in interactions with people.

Research and Development Director

The successful candidate will be responsible for directing Research and Development activities relating to investigation of new technologies and experimentation directed at the practical application of scientific theories and the design and development of the organization's products. Requires a Ph.D. or equivalent in a Life Sciences discipline with a minimum of ten years experience in the Biotechnology industry. Preference will be given to candidates who have experience in directing human clinical trials, directing animal health trials, and Gene Expression systems.

Sr. Research Associate, Process Development

The successful candidate will be supporting the development and scale up of purification processes for recombinant proteins on a bench and pilot scale. Experience in protein purification by column chromatography is essential. A minimum of five years practical experience in protein separation methods is required. An understanding of protein purification in cGMP environment is highly desirable. Must be team-oriented with good communication and record keeping skills. This position requires a M.S. degree or equivalent in biochemistry or related field with preference given to applicants with protein purification experience in biotech industry.

ProdiGene is located in a new R&D facility in a highly dynamic college city in close proximity to Houston, Galveston, Austin, and San Antonio. Please mail or fax your letter of interest and include a complete resume and the names of three professional references to: Lisa Baker, ProdiGene, 101 Gateway Boulevard, Suite 100, College Station, TX 77845. Fax (979) 690-9527.

Institute for Micromanufacturing Post-Doctoral Positions in Nanobiotechnology and Radiation Bioeffects

Positions are available at the Institute for Micromanufacturing for post-doctoral research scholars interested in integrating biotechnology and micro-/nanotechnology, or in elucidating bioeffects of nonionizing radiation. Internationally known, the Institute comprises a 41,000 sq. ft. modern R&D facility dedicated to the realization of micro- and nanosystems for biological, biomedical, environmental, information technology, and other applications. The Institute wishes to capitalize on its expanding capabilities in the biological sciences and bioengineering and expertise in micro-/nanofabrication. Individuals with a Ph.D. in biophysics, biomedical engineering, biochemistry, or a closely related field are encouraged to apply. Salary will be determined by the successful candidate's research accomplishments and preparation to set up and operate new biological sciences laboratory equipment.

Applications, including a curriculum vitae, a summary of past accomplishments, and the names of three referees should be mailed or emailed to:

> Institute of Micromanufacturing Biotechnology Post-doctoral Search Louisiana Tech University P.O. Box 10137 Ruston, LA 71272 Email: jfutrell@coes.latech.edu

The opportunity can be discussed by phone with **Dr. Donald Haynie**, tel. +1.318.257.5100. Review of applications will begin immediately and continue until a suitable candidate is found. For further information on the Institute, see http://www.latech.edu/tech/engr/ifm.

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USDA, Agricultural Research Service, Peoria Illinois

The National Center for Agricultural Utilization Research (NCAUR) has, for 60 years, developed new processes and products from agricultural commodities to benefit the American farmer and public. With a multi-disciplinary staff of 270, NCAUR's internationally recognized scientists have a proud history of developing and commercializing technical innovations.

Multiple Scientific Career Opportunities:

- Microbiologist/Molecular Biologist, GS-11/12/13/14 Salary Range: \$45,285 to \$99,150 Announcement # ARS-X2W-2189
- Research Chemist, GS-11/12/13/14 Salary Range: \$45,285 to \$99,150 Announcement # ARS-X2W-2188

Opportunities exist in the following research areas:

- Fermentation Biotechnology Research developing improved technologies to convert agricultural commodities to alcohol fuels and other value-added products.
- Crop Bioprotection Research developing knowledge on the genes that influence the ability of beneficial bacteria and fungi to survive chemical and physical stresses occurring during industrial fermentation.
- Microbial Genomics and Bioprocessing Research developing knowledge on the genetic diversity and population structure of new and known species of foodborne pathogenic bacteria.
- Mycotoxin Research developing strategies that reduce or eliminate the presence of fungal toxins and mycotoxins in human foods as well as animal feeds.
- Plant Polymer Research developing methods for physical and chemical modification of plant derived components to establish new or expanded markets for agricultural commodities.
- Food and Industrial Oil Research developing new uses for vegetable oils, emphasizing soybean oil, as alternative, valueadded industrial materials, chemicals and fuels.
- Cereal Products and Food Science Research conducting basic and applied research into the natural physical properties of agricultural materials such as proteins, starches, gums, celluloses, and lignins.

ARS offers competitive benefits packages, a family-friendly work environment, and the opportunity to work on research that touches the life of every American!

For a copy of the announcement and application procedures, visit the ARS Research Scientist vacancy listing at: <u>http://www.afm.ars.usda.gov/divisions/hrd/index.html</u>, or contact Kathy John on (309)681-6542.



www.ncaur.usda.gov ARS is an equal opportunity provider and employer.

Published A Definitive History from the World's Leading Essays by: Science Scientists Gould David Stevenson Pathways Discovery Eric S

n Science Pathways of Discovery, some of the sharpest scientific minds of our time reveal what science has in store by examining the histories of a dozen crucial areas of scientific inquiry. Originally published as a year-long series in Science, this awe-inspiring compendium features brilliant and provocative contributions from:

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- David J. Stevenson on planetary science
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- Joshua Lederberg on the history of infectious disease
- Gregory B. Olson on materials science
- Anne McLaren on cloning
- Robert Lucky on science communication

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- Paul J. Crutzen and Veerabhadran Ramanathan on atmospheric sciences
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Tenure Track Scientist

The Laboratory of Immune Cell Biology (LICB) in the National Cancer Institute (NCI), National Institutes of Health (NIH), is recruiting for a tenure track scientist to establish an independent research program in the area of molecular immunology and cell biology. The Laboratory has an active research environment and includes groups currently focusing on the molecular mechanisms of apoptosis, T cell signaling and development, and the process and consequences of ubiquitination. Applicants should have an M.D., M.D./Ph.D., or Ph.D. and strong research credentials with a substantial number of quality, peer-reviewed published reports and invited presentations at national and international conferences

Applications must include CV and bibliography, letter of interest stating research goals, a twopage outline of proposed research, and three letters of reference. The completed application should be mailed to: Valerie Brantley, Building 10, Room 1B40, 31 Center Drive, MSC 1152, Bethesda, MD 20892-1152 or faxed to 301-480-1550 and received by July 3, 2002.

Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, national origin, politics, marital status, physical or mental disability, age, sexual orientation, or membership or non-membership in an employee organization.



The Intramural Research Program of the National Institute on Aging (NIA), Baltimore, Maryland, invites applications for a tenure track investigator position within the Laboratory of Immunology at the Gerontology Research Center. Applicants must have a record of scientific accomplishments, including excellence in laboratory research and qualifications of a Ph.D. in Immunology or a related science background. The successful candidate will develop an independent research program in age-associated alterations in immune function and inflammation. Candidates with experience and/or interest in signal transduction, molecular and cellular biology, and inflammatory disease models are encouraged to apply. Starting salary commensurate with qualifications and experience

Applicants should send curriculum vitae, bibliography, and 1,000 word overview of a proposed program along with three letters of reference to: Chair, LI Tenure Track Search Committee, Vacancy Announcement Number NIA-02-010, Human Resources Office, National Institute on Aging, Box 26, 5600 Nathan Shock Drive, Baltimore, MD 21224-6823. All applications must be post marked by May 17, 2002.

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Johnson & Johnson Pharmaceutical Research & Development, L.L.C.

Johnson & Johnson Pharmaceutical Research & Development, L.L.C. conducts research and development in a variety of therapeutic areas for the Johnson & Johnson family of companies, Our La Jolla, CA site focuses on the application of state-of-the-art techniques in cellular and molecular biology, bioinformatics, immunology, computer science and synthetic organic chemistry to discover novel approaches to unmet medical conditions. The following positions are currently available:

In vivo PHARMACOLOGY

Scientist (Job Code #11968)

A pharmacologist position is available in the Physiological Systems group of Dr. Nigel Shankley. The team aims to identify new drug targets in peripheral physiological systems and develop new drugs. Qualified candidates should hold a Ph.D. degree with 0-2 years research experience in the pharmaceutical industry or a Master's degree with 7-10 years experience. The candidate should have a broad understanding of drug action at the cellular, organ system and intact organism levels and should be adept at integrating the actions of drugs at these different levels through pharmacokinetic-pharmacodynamic analysis. Design and analysis of pharmacokinetic studies, including the use of model systems, would be an asset as would an understanding of quantitative pharmacological analysis. The candidate should be well versed in the development of *in vivo* experimental models, bio-statistical analysis and basic mathematical models of drug action. Excellent oral and written communication are a must.

ION CHANNEL

Sr. Associate Scientist/Scientist (Job Code #15664)

The Neuroscience Group is seeking a highly motivated individual with expertise in fluorescence techniques to develop assays measuring ion channel function and drive projects through hit to lead. The ideal candidate will use his/her expertise to develop, optimize and validate assays for ion channel targets amenable to high throughput screening (HTS) and secondary assays. Will assist in the identification of new technologies to enhance the capabilities of the group. Experience in biochemical and cell based assays including ion flux and binding assays, and ELISA is a plus. Strong attention to detail, creativity, excellent problem solving skills, and a proven capacity to handle multiple projects required. Excellent interpersonal and communication skills, flexibility and a strong team orientation are necessary. Will hold a Ph.D. or BS/MS with equivalent experience in Biology, Biophysics, Neuroscience or related discipline with strong emphasis in ion channel function.

POSTDOCTORAL FELLOW OPPORTUNITIES

Immunology Postdoctoral Fellow (Job Code #15666)

Johnson & Johnson

A postdoctoral position is available in the laboratory of Dr. Wai-Ping Fung-Leung to study the mechanisms of T cell and mast cell activation. The biology of novel G-protein couple receptors identified on T cells, mast cells and macrophages will also be studied. Candidate should have a recent Ph.D. in immunology or a related field. Candidates with research experience in immunology and signal transduction are preferred.

Immunology Postodoctoral Fellow (Job Code #14811)

We are looking for a postdoctoral fellow who will pursue independent research pertaining in immunology. Candidate should have a Ph.D. in immunology or a related field. Experience in modern molecular and cellular approaches in experimental biology with knowledge of immunology necessary. Experience with *in vivo* work would be of value. This postdoctoral fellow will join ongoing investigations of molecular mechanisms of the innate and acquired immune responses, using state-of-the-art molecular and cellular tools.

To apply, please visit our website:

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ETH

Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich

Professor of Metal Systems for Microcomponents

Applicants should have an excellent record of internationally recognized research in the field of metal systems for microcomponents. The expertise of the successful candidate may be in size-scale and alloying effects in micromaterials, mechanical and electrical reliability of microcomponents, or modeling of deformation and failure processes in microsystems.

Assistant Professor of Multiphase Metal Systems (Tenure Track)

Applicants should have an excellent record of internationally recognized research in the field of multiphase metal systems. The expertise of the successful candidate may be in modeling of non-equilibrium states, structure modeling, or process simulation of structural materials.

Successful applicants have research experience on the highest international level and should be equally well qualified to teach modern materials science of metals. Collaborations with other research groups, and in particular experimental groups, within the ETH Zurich, other Swiss universities, and with industry are expected.

Please submit your application together with a curriculum vitae and a list of publications to the President of ETH Zurich, Prof. Dr. O. Kübler, ETH Zentrum, CH-8092 Zurich, no later than July 31, 2002. The ETH Zurich specifically encourages female candidates to apply with a view towards increasing the proportion of female professors.



Postdoctoral Positions Available in the following research areas

Institute of Molecular Medicine and Genetics

Mechanisms of viral persistence on murine LCMV or Influenza models and to study T cell regulation in persistent viral infections or function of hsp70s in knockout mouse models - **Dimitrios Moskofidis**.

Development of normal puberty and reproductive capability in humans. We characterize gene mutations in disorders of delayed puberty to understand the mechanisms of normal puberty - Lawrence Layman.

Cellular and behavioral evaluation of neuroprotective and neuroregenerative approaches (i.e., neural transplantation) in animal models of CNS disorders (e.g., Parkinson, Huntington, and stroke) - Cesar V. Borlongan.

Molecular regulation of epithelial wound healing and innate response to bacterial infection in the cornea - FuShin Yu.

Molecular techniques to identify the genes causing Alzheimer's disease and other neurodegenerative disorders - S.E. Poduslo.

Virologic and immunologic aspects of herpes virus infections of the eye and brain - Sally Atherton.

Determine how the heart starts to beat and how the embryonic vasculature is remodeled by blood flow - Simon Conway.

Cellular and molecular mechanisms used by cells to repair a torn surface membrane - Paul McNeil.

Send resume and three references to: Ann Gambill, Institute of Molecular Medicine and Genetics, Medical College of Georgia, Augusta, GA 30912. Please indicate which laboratory you are interested in. For further information you can access our web site at www.mcg.edu/Institutes/IMMAG (EEO/AA/Equal Access employer)



The UC Davis Genome Center integrates experimental and computational approaches to address key problems at the forefront of genomics. The Center will be housed in a new research building with state-of-the-art computational and laboratory facilities. The Center is hiring 17 new core faculty, 10 in experimental genomics and 7 in bioinformatics. This faculty will participate in

developing an internationally recognized program in genomics research at Davis, building on and enhancing the unique strength and unmatched breadth of the life sciences on campus.

The Genome Center invites applications for tenure-track faculty positions in experimental genomics. Candidates may apply at any academic level. At the senior level, we invite applications from internationally prominent scientists with distinguished records of research, teaching, and leadership. At the junior level, we invite applications from candidates whose accomplishments in innovative research and commitments to teaching demonstrate their potential to develop into the future leaders of the field.

The Center welcomes applications from strong candidates in all areas of animal, plant and microbial genomics, including but not limited to the application of functional and comparative genomic methods to elucidate the determinants of phenotype. Investigators employing high-throughput approaches that extend existing strengths at UC Davis are particularly encouraged. Strong scientists whose research focuses on any level of organization, from chromosome structure, gene regulation, proteomics or metabolomics to population and systems biology, will be considered.

These positions require a Ph.D. or equivalent. They will be open until filled, but for full consideration applications should be complete by August 1, 2002. Applicants should send a letter of application, statement of research interests, curriculum vitae, and the names and addresses of at least five references to: Dr. Craig Benham, Faculty Search Committee Chair, UC Davis Genome Center, University of California, One Shields Ave. Davis, CA 95616-8536.

Further information about genomics at UC Davis is available at http://genomics.ucdavis.edu

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Cell Signaling

Cell Signaling Technology Inc. (CST) was founded in October 1999 by New England Biolabs. Composed of scientists from the NEB Cell Signaling Group, CST is committed to developing innovative tools for research in Signal Transduction.

CST offers a broad array of new reagents to assist in the discovery of how proteins are regulated and function within the cell. These cutting edge tools are designed to advance the understanding of Protein Function, and to open up new research directions in Neurobiology, Cancer Biology and basic Cell Biology. Scientists at CST have established a leadership position in the market for phospho-antibodies that are useful in detecting activity in discrete pathways that regulate growth and death in cells.

HTS Sales Manager

This position will be responsible for maintaining and growing the market for our antibodies used as non-radioactive kinase assays in high throughput screening (HTS) and drug discovery. Maintain existing relationships and create new ones with senior assay development scientists and other relevant contacts at biotechs and pharma. Do outreach to pharma by doing site visits and giving talks. Process requests by pharma for antibody samples and do appropriate follow-up. Represent CST at drug discovery industry tradeshows.

Minimum of an M.S. in a cell biology-related field required; experience in drug discovery desirable. Excellent written and oral communication skills necessary, as are good organizational skills. Must develop an in depth knowledge of our products and their use in HTS, and also interact well internally with all our product managers. Up to 50% travel expected. Please send cover letter and resume to **Paula Reynolds**, **Human Resources Manager at preynolds@cellsignal.com or fax** to **978-867-2400**.

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Be an NCI Cancer Prevention Fellow

THE NATIONAL CANCER INSTITUTE (NCI) sponsors the Cancer Prevention Fellowship Program (CPFP). Its purpose is to train individuals from a multiplicity of health professions and biomedical science disciplines to become leaders in the field of cancer prevention and control.

What will I get out of the program?

- Master of Public Health degree
 NCI Summer Curriculum
- in Cancer Prevention Mentored research
- opportunities at the NCI
- Professional development and leadership training

What areas of cancer prevention research are available?

- Chemoprevention
- Clinical/Translational Research
 Early Detection/Biomarkers
- Epidemiology
- Ethics and Evidence-Based
- Decisionmaking
- Intervention Studies
- Laboratory-Based Research
- Primary Prevention
- Social and Behavioral Research
 Statistical Methodology
- Statistical Michiodology

Am I eligible?

You must have a doctorate degree (M.D., D.D.S., D.O., J.D., Ph.D. or equivalent). Foreign education must be comparable to that received in the United States.

You must also be either a citizen of the U.S. or a resident alien eligible for citizenship within 4 years at the time of application (September 1).

How long is the program?

Fellows are accepted for up to 5 years of training beginning in July. The typical duration is 3 years (year 1: M.P.H.; years 2-3: NCI Summer Curriculum and mentored research).

When are applications due?

Applications are due September 1, 2002, for entry into the program July 1, 2003.

How do I apply?

To receive a catalog*, contact: Douglas L. Weed, M.D., M.P.H., Ph.D. Director, Cancer Prevention Fellowship Program National Cancer Institute 6130 Executive Boulevard (EPN) Suite 3109, MSC 7361 Bethesda, MD 20892-7361

* Please provide home address, telephone, e-mail, and where you heard about the program.

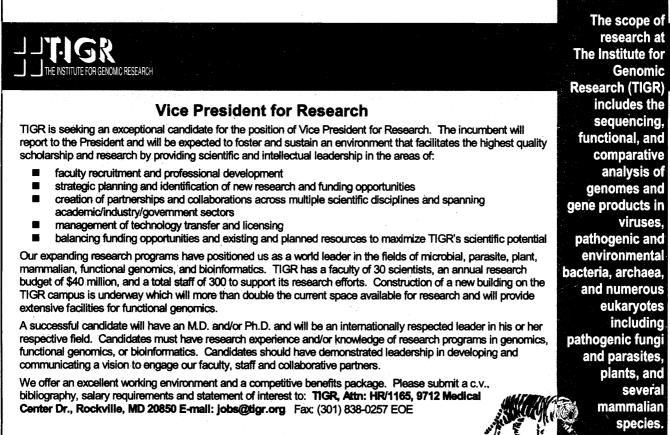
Further inquiries: Mrs. Barbara Redding Phone (301) 496-8640 Fax (301) 402-4863

E-mail br24v@nih.gov For more information visit our

Web site at: http://cancer.gov/prevention/pob/

http://resresources.nci.nih.gov/links.cfm

Selection for these positions will be based solely on merit, with no discrimination for non-merit reasons, such as race, color, gender, national origin, age, religion, sexual orientation or physical or mental disability. NIH provides reasonable accommodations to applicants with disabilities. If you need reasonable accommodation during any part of the application and hiring process, please notify us. The decision on granting reasonable accommodation will be handled on a case-by-case basis.



For more information about TIGR, visit our web site at www.tigr.org

POSITIONS OPEN

Applications are invited to fill TENURE-TRACK **POSITIONS** in (1) inorganic chemistry and (2) physical chemistry and/or biochemistry to begin as early as fall semester 2002. Funding for two positions has been authorized. Candidates must demonstrate potential for establishing a vigorous and externally funded research program and should exhibit a com-mitment to excellence in graduate and undergraduate teaching. Applicants must have a Ph.D. degree and productive postdoctoral research experience.

Further specifications: (1) Inorganic chemistry: Preferred research interests are in bioinorganic chemistry or inorganic materials science but outstanding applicants in related subspecialties will be considered. Teaching responsibilities will be primarily in inorganic and general chemistry areas. (2) Physical chemistry: an NMR Spectroscopist with interests in materials or an NMR Spectroscopist with interests in matchais of biophysical chemistry. Teaching responsibilities will be primarily in the physical and general chemistry areas. And/or biochemistry: preference to candidates who can contribute to University initiatives in biotechnology and proteomics. Research areas can range from biophysical chemistry to molecular biology. Ex-pertise in the development of state-of-the-art biotechnological methods is highly desirable. Teaching responsibilities will be primarily in biochemistry and biotechnology

Applicants should send (1) curriculum vitae, (2) a summary of research experience (including the candi-date's most important contributions), (3) detailed plans for future research and grant proposals, (4) a short statement of teaching philosophy and interests, (5) copies of undergraduate and graduate transcripts; and (6) the names (with telephone numbers and addresses) of three Scientists who will be requested to send confidential letters of recommendation.

Application materials and letters of recommenda-tion should be sent to: The Chairman, Department of Chemistry, Kent State University, P.O. Box 5190, Kent, OH 44242-0001. E-mail: chem@ kent.edu. To ensure full consideration, applications should be received by May 28, 2002, and should specify the desired position in the cover letter. KSU is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR OF DEVELOPMENTAL **BIOLOGY PROGRAM**

The Department of Pediatrics of Virginia Commonwealth University on the Medical College of Virginia campus is seeking a Director of a new program in developmental biology. This program represents a new initiative within the Department of Pediatrics aimed at establishing a leading research effort in de-velopmental biology at Virginia Commonwealth Uni-versity. Resources for the establishment, development, and expansion of this program have been committed. The leader of this group will be able to develop interdisciplinary research programs with Scientists in the Departments of Human Genetics, Oral and Craniofacial Molecular Biology, Biology, Biochemis-try, and the Massey Cancer Center. Scientists with strong research programs employing innovative molecular and cellular approaches to developmental bi-ology are encouraged to apply. The MCV Campus of Virginia Commonwealth University offers an established research environment with state-of-the-art core facilities including a transgenic mouse core facility, nucleic acids research facility, molecular biology, hybridoma, flow cytometry, structural biology, and a functional genomics/proteomics shared resource. Candidates must have a Ph.D. and/or M.D. degree with extensive research experience.

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

Martin Graham, M.D. Department of Pediatrics Medical College of Virginia Campus Virginia Commonwealth University P.O. Box 980529 Richmond, VA 23298

VCUHS is an Affirmative Action/Equal Opportunity Employer. Women, minorities, and persons with disabilities are encouraged to apply.

POSITIONS OPEN

RESEARCH FACULTY POSITIONS Comparative Genomics/Computational Biology/Molecular Evolution Canadian Institute for Advanced Research/ Genome Atlantic/Dalhousie University

We seek to complement existing strength in these areas with up to five new appointments of junior research faculty. These will be reduced-teaching ap-pointments (probationary tenure track) in Dalhousie's Faculty of Medicine (biochemistry/molecular biolo-gy, microbiology/immunology), Science (statistics, biology, physics), or Computer Science. Considerable support for research will be available through a new \$10 million investment by Genome Canada in Ge-nome Atlantic. Faculty members are expected to con-duct independent research within Halifax's stable and growing collegial and interactive microbial evolutionary genomics community. Demonstrated research excellence and achievement will be the first criteria for appointment. We seek applicants interested in (1) microbial genome evolution, (2) comparative structural biology, (3) statistical methods for phylogenetic reconstruction, and (4) genomic approaches to microbial ecology. The Canadian Institute for Advanced Research, Genome Atlantic, and Dalhousie University have collectively chosen these areas for development and investment; successful applicants will become part of a major world-class centre. Applicants should have Ph.D. in relevant disciplines and (usually) one to five years of postdoctoral experience (more recent Ph.D.s may wish to contact us about postdoctoral opportunities). Send complete curriculum vitae, descriptions of research interests, and contact information for at least four references to:

W. Ford Doolittle Department of Biochemistry and Molecular Biology Dalhousie University Halifax, Nova Scotia B3H 4H7 Canada Telephone: 902-494-3569 FAX: 902-494-1355

Dalhousie University is an Employment Equity/Affirmative Action Employer. The University encourages applications from qualified aboriginal peoples, persons with a disability, racially visible persons, and women. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

TWO ADMINISTRATIVE FACULTY POSITIONS Associate Director of Molecular Modeling Associate Director of Bioinformatics University of Nevada, Reno

The University of Nevada, Reno, is seeking candidates for two full-time administrative faculty positions as Associate Director of Bioinformatics and Associate Director of Molecular Modeling. Duties include es-tablishment and maintenance of bioinformatics and molecular modeling facilities, respectively, for users in the state of Nevada. For complete position descrip-tion and requirements, contact: Sharon Brush, Search Coordinator, Department of Biochemistry/MS330, University of Nevada, Reno, NV 89557-0014. FAX: 775-784-1419; e-mail: 89557-0014. FAX: 775-784-1419; e-mail: sbrush@unr.edu; websites: http://www.ag.unr. edu/biochemistry/ and http://jobs.unr.edu. Ap-plications received by June 1, 2002, will receive full consideration. Equal Employment Opportunity/Affirmative Action.

SCIENTIFIC PROGRAMMER to work with vision Scientists. Integrate and maintain real time software and hardware used to generate visual stimuli and record responses from neurons, model data, and create modular software to be shared within the group and with other vision Scientists. The ideal candidate would have a quantitative background; strong interest in vision; experience with Macintosh computers, C, and Matlab; and experience calibrating visual displays and optical systems. Funded by NIH core grant. Contact: Dr. Orin Packer, Department of Biological Structure, University of Washington, Seattle, WA. E-mail: orin@u.washington.edu.

POSITIONS OPEN

STAFF SCIENTIST, CHEMIST

The Chemical Sciences Division (CSD) of Berkeley Laboratory seeks a Beamline Scientist to participate in the research programs of the Advanced Light Source Molecular Environmental Science (ALS-MES) Phase I Beamline and to provide integration for CSD syn-chrotron radiation (SR) research. The beamline will become available in the fall of 2002. Working closely with the ALS Scientific Support

Group, the successful candidate will contribute to beamline commissioning, development, and implementation of improved experimental capabilities and assist in the implementation of user scientific programs. As an essential part of the scientific program, you will work closely with ALS-MES users to develop experiments and collaborate/assist in the performance of experiments and in the interpretation of the results. This opportunity requires excellent commu-nication skills. Knowledge of and experience with soft X-ray experimental SR techniques or equivalent ex-pertise in a related spectroscopic field is essential. Ph.D. in chemistry, physics, or related physical science preferred.

Further details about this position can be found at website: http://cjo.lbl.gov (Requisition 014686). Submit a letter of interest and curriculum vitae to: Lawrence Berkeley National Laboratory, MS 937-600, 1 Cyclotron Road, Berkeley, CA 94720. E-mail: chemployment@lbl.gov; FAX: 510-486-5870. Reference Job Number CH/014686/JS in your cover letter. Open until filled. Berkeley Laboratory is an Affirmative Action/Equal Openaturity. Employer comis an Affirmative Action/Equal Opportunity Employer com-mitted to the development of a diverse workforce.

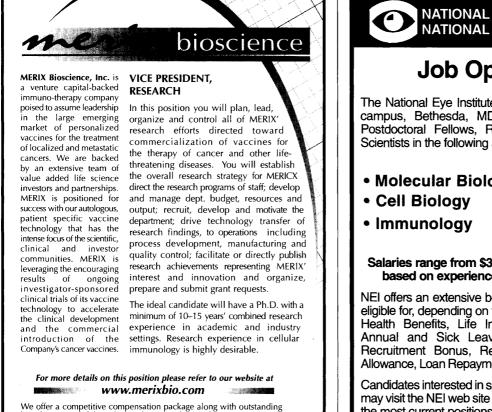
LOW-TEMPERATURE GEOCHEMIST

The Department of Earth, Atmospheric, and Planetary Sciences at MIT invites qualified candidates to apply for a junior faculty position with expertise in state-of-the-art inorganic geochemistry applied to understanding processes occurring near the Earth's surface and its paleoenvironmental history. Candidates should have research interests in areas such as chemical processes controlling element partitioning between the solid and fluid earth, global biogeochemical cycles, and/or the role of these processes in controlling the evolution of the Earth's surface environment. We especially encourage candidates from rapidly evolving frontier fields (such as light and/or heavy element stable isotope geochemistry) and those involved in active field programs or the interpretation of field data to apply. The Department of Earth, Atmospheric, and Planetary Sciences at MIT has a broad program in all aspects of Earth sciences including geology, geophysics, and atmospheric and oceanic dynamics and seeks candidates able to interact across subdisciplines. Interest and commitment to teaching at the undergraduate and graduate level are essential at MIT.

Interested scientists should send curriculum vitae, a one-page description of research plans, and arrange for three letters of professional reference to: Professor Ronald G. Prinn, Department Head, Attention: LTG Search, Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology, Building 54-918, 77 Massachusetts Avenue, Cambridge, MA 02139-4307. E-mail: rgp@mit.edu; FAX: 617-253-8298. MIT is an Equal Opportunity/Affirmative Action Employer.

The Nature Publishing Group seeks a full-time COPY EDITOR for its prestigious journal Nature Genetics to perform substantial editing of complex technical manuscripts to make them clear and consistent with our style. Requires advanced degree in genetics/molecular biology, excellent literary abilities, precise attention to detail, strong interest in communication of scientific ideas, and preferably one to two years of scientific copy editing experience. Send cover letter; salary history; and résumé to: Human Re-sources, Nature Publishing Group, 345 Park Av-enue South, New York, NY 10010-1701 by May 31, 2002. FAX: 212-696-9594; e-mail: admin@ natureny.com. Find more information at website: http://npg.nature.com. Equal Opportunity Employer.

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	Forschungszentrum Karlsruhe in der Helmholtz-Gemeinschaft		
	The Forschungszentrum Karlsruhe is a national laboratory with about 3,500 staff and a member of the Hermann-von-Helmholtz-Gemeinschaft deutscher Großforschungseinrichtungen e.V." (HGF). It is participating in research programs of the areas "energy", "key technologies", "earth and environment", "structure of matter" and "health" of the HGF.		
I	The Forschungszentrum Karlsruhe is inviting applications for the position (C4) of the		
	Head of the Institute of Nanotechnology (INT).		
	Within the HGF research area "key technologies", the INT is doing application-oriented basic research in nanotechnology. Presently, the INT comprises eight experimental and three theoretical research groups headed by professors from the universities of Karlsruhe, Strasbourg and Ulm.		
	We are looking for a researcher with an excellent scientific reputation and international experience in the field of nanosciences. The applicant should be able to cooperate in integral research programs of the INT, also involving other institutes of the Forschungszentrum, and to shape and represent an attractive institute profile. Furthermore, it is essential that the successful candidate will maintain and extend the existing worldwide cooperations and contacts with other research organisations, with universities and with industry.		
	The remuneration will be that of a full professor (C4). Scientific achievements and teaching experience proving the capability for a full professorship, as well as the ability to lead a large, interdisciplinarily working institute on a cooperative basis, are indispensable. The professorial affiliation will preferably be with the university of Karlsruhe. In this context, participation in the DFG program "center for functional nanostructures" would be welcome.		
	We are trying to increase the share of women in science and thus particularly welcome the applications of qualified women.		
	Applications including CV, list of publications and a brief description of the scientific career should be received before June 7, 2002, by		
	Prof. Dr. Reinhard Maschuw - Vorstand - Forschungszentrum Karlsruhe GmbH Postfach 3640 76021 Karlsruhe Germany		
	Information about the Forschungszentrum Karlsruhe is accessible on the internet at http://www.fzk.de.		



benefits. For confidential consideration, please submit a resume and salary history to careers@merixbio.com. Equal Opportunity Employer.

NATIONAL INSTITUTES OF HEALTH NATIONAL EYE INSTITUTE

Job Opportunities

The National Eye Institute Intramural Program at the NIH campus, Bethesda, MD., is seeking highly qualified Postdoctoral Fellows, Research Associates and Staff Scientists in the following areas:

Molecular Biology Psychophysics

- Biochemistry
- Immunology
- Genetics

Salaries range from \$30,800 to \$125,700 per annum, based on experience and type of appointment.

NEI offers an extensive benefits package that you may be eligible for, depending on the appointment mechanisms: Health Benefits, Life Insurance, Retirement Benefits, Annual and Sick Leave, Formal Training Program, Recruitment Bonus, Retention Allowance, Relocation Allowance, Loan Repayment Program, and Travel Benefits.

Candidates interested in specific job opportunities at the NEI may visit the NEI web site at http://www.nei.nih.gov/ listing the most current positions available.

NIH/NEI is an Equal Opportunity Employer

POSITIONS OPEN

FACULTY POSITION Autoimmunity

The Department of Microbiology and Immunology at Georgetown University Medical Center invites applications for a full-time, tenure-track position at the level of ASSISTANT PROFESSOR. Only individuals with a demonstrated record of academic accomplishments, expertise in immunology, and a research interest in autoimmunity should apply. A more senior appointment may be made in the case of an exceptionally qualified individual. The successful candidate must have an M.D. and/or Ph.D. in immunology or a related discipline; postdoctoral training; and will be expected to develop and maintain an independent, externally funded research program and participate in teaching of graduate and medical students. Applications including curriculum vitae, three re-prints, a statement of accomplishments and career goals including current and long-term research plans, and the names and addresses of three references should be sent to:

Faculty Search Committee Department of Microbiology and Immunology Georgetown University Medical Center 3900 Reservoir Road, N.W. Washington, DC 20007

Georgetoum University is an Equal Opportunity/Affirmative Action Educator/Employer. Women and members of ethnic minorities are especially encouraged to apply.

BRANCH CHIEF Airbase Technologies Division Tyndall Air Force Base, Panama City, Florida

The successful candidate will direct the execution of a \$3 million to \$5 million research program by providing vision, leadership, and guidance to Scientists and Engineers working in a multidisciplinary organization. The Branch Chief will lead all aspects of recruitment, secure resources, and ensure the technical quality of the program. Current technical areas include biotechnology for materials synthesis and destruction; atmospheric, synthetic, and environmental chemistry; chemical reactor systems; pollution prevention; and chemical and biological weapons decontamination. The ideal candidate will hold a Ph.D. in science or engineering, have a clear record of research productivity, and have a proven record of technical leadership in basic and applied research. USAF or DOD experience, although not required, would be an asset. Starting salary (\$76,000 to \$116,500) depends on qualifications and experience. U.S. citizenship required. Provide your detailed résumé to: LTC Lynn Borland by 7 June 2002 at e-mail: lynn.borland@tyndall.af.mil. (hotmail not accepted). The U.S. Air Force is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS Department of Pathology Tufts University School of Medicine

The Division of Immunology in the Department of Pathology invites applicants for two tenure-track positions at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR levels. While we are open to candidates with interests in diverse fields, we are particularly interested in pathogenesis, genetics of host resistance, signaling, innate immunity, and T cell immunology. Competitive start-up funds are available. The recruitment should complement and expand the existing strengths of the Division. A new research building is being completed that will house the whole immunology group. The anticipated date of occupancy is Oc-tober 2002. Applications consisting of a letter of intent, curriculum vitae, a brief statement of research interests including future plans, and contact information for three references should be sent to: Brigitte T. Huber, Ph.D., Chair, Immunology Search Committee, Department of Pathology, Tufts University School of Medicine, 136 Harrison Avenue, Boston, MA 02111. FAX: 617-636-0449; e-mail: brigitte.huber@tufts.edu.

POSITIONS OPEN

CHEMISTRY AND BIOCHEMISTRY

The Department of Chemistry and Biochemistry at the University of Lethbridge requires an ASSIST-ANT PROFESSOR; probationary (tenure track) beginning 1 July 2002 and subject to budgetary approval.

A Ph.D. is required. The successful applicant will be required to teach courses in chemistry and biochemistry. The Department is committed to the further development of its Biochemistry program and is seeking an individual who will play an important role in the program's delivery. The candidate will be expected to develop a vigorous, externally funded research program. Preference may be given to research areas that complement the current strengths of the Department. Currently, all faculty members in the Department hold external grant support. In addition to federal granting councils, the Province of Alberta makes substantial research funds available through the Alberta Ingenuity Fund and the Alberta Heritage Foundation for Medical Research.

The University of Lethbridge is currently enjoying a growth phase and has developed strong programs in biochemistry, neuroscience, agricultural biotechnology, and environmental studies. Many of these new programs offer the potential for research collaboration. In addition, the Department is developing a strong research presence in the area of protein structure/function determination with the addition of a 500 MHz wide-bore NMR spectroscopy facility and a protein X-ray crystallography facility. For more information about the University, please visit our website: http://www.uleth.ca or the Department's website: http://home.uleth.ca/chm.

Applications should include curriculum vitae, transcripts, outlines of courses previously taught, teaching evaluations (if applicable), recent publications (reprints or preprints), a detailed research proposal modeled after an NSERC Research Grant application form, and names of at least three references who are scholars in the field. Send this material and arrange for the letters of reference to be mailed directly to: Dr. A. W. Hakin, Chair, Department of Chemistry and Biochemistry, The University of Lethbridge, 4401 University Drive, Lethbridge, Alberta T1K 3M4 Canada. Telephone: 403-329-2301; FAX: ing date for applications is May 31, 2002.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

RESEARCH INVESTIGATOR (pathology): Aventis Pharmaceutical, Bridgewater, New Jersey. Serve as a Board-certified Veterinary Pathologist for the histopathological examination of tissues from preclinical animal toxicology studies in support of FDAmandated studies necessary for first in human clinical trials with new drugs. Participate in the study design of preclinical drug toxicology studies. Investigate mechanisms of toxicity that can be used to aid in the development and registration of new drug candidates. Serve as an Aventis Drug Safety Evaluation Project team representative for new drug candidates in development. Prepare highly specialized scientific reports, protocols, and regulatory submissions for new drug candidates. Establish and develop laboratory procedures that will aid in understanding the mechanisms of drug-associated toxicity. Serve as a Board-certified Veterinary Pathologist for the peer review of histopathology data from preclinical toxicity studies that support human clinical trials. Requirements: Doctor in veterinary medicine and Ph.D. in biological sciences such as biomedical sciences plus two years of experience in job offered or as Veterinary Pathologist. Must have Diplomate status in the American College of Veterinary Pathologists. Two years of experience must also include histopathology work in toxicological pathology. Thirty-seven-and-a-half hours per week; 8:15 a.m. to 5:15 p.m. Salary commensurate with experience. Résumé to: Post Office Box Number 109, 1200 New York Avenue, N.W., Room 914, Washington, DC 20005

POSITIONS OPEN

FACULTY POSITION STEM CELL BIOLOGY

The Bone Marrow Transplant (BMT) Program at the University of Colorado Health Sciences Center (UCHS) invites applications for a position at the rank of ASSISTANT or ASSOCIATE PROFESSOR in the area of stem cell biology. The goals of the research within the BMT program are to develop translational approaches in cellular therapies for treatment of disease. Individuals with research interests in hematopoetic stem cells or stem cells of other tissues are encouraged to apply. The individual will join an active program of laboratory and clinical Investigators comprising the newly formed Stem Cell Biology Program.

The successful candidate will have an M.D. or Ph.D. degree and a track record of accomplishments and expertise in adult or embryonic stem cell biology. Successful candidates will be expected to develop an extramurally funded research program. Excellent facilities are available in the UCHSC for basic research projects and human clinical investigations. Opportunities exist for collaborative research projects. Salary and start-up funds will be competitive.

Applicants should send current curriculum vitae, statement of research interests and intentions, and three letters of reference to:

Ian McNiece, Ph.D. Director, Bone Marrow Transplant Research Laboratories Director, Stem Cell Biology Program University of Colorado Health Sciences Center Box B-116 4200 East Ninth Avenue, Denver, CO 80262 Telephone: 303-315-0583

FAX: 303-315-0587 E-mail: ian.mcniece@uchsc.edu

UCHSC is an Equal Opportunity/Affirmative Action Employer. We encourage minorities and women to apply for this position.

RESEARCH CHEMIST POSITION with the Centers for Disease Control and Prevention, Malaria Research and Control Group, in Atlanta, Georgia. Research on treatment of polyester, high-density polyethylene/propylene, nylon, and cotton netting materials with insecticide and additive(s) to produce mosquito nets that retain insecticidal activity during long-term use with repeated washing and exposure to various environmental forces. Such nets will play a vital role in malaria control. Requires a Ph.D. in chemistry/materials science. Desired experience may include polymer resins, aqueous solution and emulsion polymerization, slow-release technology, formulation, textiles, analytical surface chemistry, and analytical gas and liquid chromatography. Salary range approximately \$55,000 to \$65,000 depending on experience. Health benefits available. Approximate start date: September 2002. Send curriculum vitae to: Dwight Mount, Entomology Branch, MS-F12, Division of Parasitic Diseases, Centers for Disease Control and Prevention, 4770 Buford Highway N.E., Atlanta, GA 30341-3724. Applications will be accepted until June 15, 2002.

RESEARCH ASSOCIATE

The Department of Plastic Surgery at the University of Virginia is seeking a Research Associate. Applicants should be interested in the developmental plasticity of cells obtained from human adipose tissue and their potential use for tissue engineering, regenerative, and gene therapies. Must have a Ph.D. or equivalent and be experienced in cell biology, molecular biology, and immunohistochemical techniques. Previous experience with stem cells and animal surgery would be ideal but not a necessity. More specifically, we are looking for someone to help with cell characterization and in vivo tissue regeneration studies. This one-year, renewable research position will begin September 1, 2002. Please send a detailed résumé by July 1, 2002, to: Adam J. Katz, M.D., University of Virginia Health System, P.O. Box 800376, Charlottesville, VA 22908-0376. Position will remain open until filled. The University of Virginia is an Equal Opportunity/ Affirmative Action Employer.

Am Institut für Physikalische und Theoretische Chemie, Naturwissenschaftliche Fakultät II (Biologie, Chemie und Pharmazie), ist zum 1. 4. 2004 eine

C4-Professur für Physikalische Chemie

(Nachfolge Prof. Dr. S. Schneider)

wieder zu besetzen.

Zu den Aufgaben gehört, das Fachgebiet in Forschung und Lehre angemessen zu vertreten. Das Arbeitsgebiet des Stelleninhabers/der Stelleninhaberin sollte die bisherige Arbeitsrichtung (Molekülspektroskopie und Photochemie mit Schwerpunkt im Bereich der kondensierten Phase) fortführen. Eine Mitwirkung im SFB 583 "Redoxaktive Metallkomplexe – Reaktivitätssteuerung durch molekulare Architekturen" wird erwartet.

Einstellungsvoraussetzungen sind ein abgeschlossenes Hochschulstudium, pädagogische Eignung, Promotion und Habilitation oder der Nachweis gleichwertiger wissenschaftlicher Leistungen, die auch in einer Tätigkeit außerhalb des Hochschulbereichs erbracht sein können.

Zum Zeitpunkt der Ernennung dürfen Bewerberinnen/Bewerber das 52. Lebensjahr noch nicht vollendet haben.

Die Universität Erlangen-Nürnberg strebt eine Erhöhung des Anteils von Frauen in Forschung und Lehre an und bittet deshalb Wissenschaftlerinnen nachdrücklich um ihre Bewerbung.

Bewerbungen von Schwerbehinderten werden bei gleicher Eignung bevorzugt berücksichtigt.

Bewerbungen mit den üblichen Unterlagen (tabellarischer Lebenslauf, Verzeichnis der Schriften und Lehrveranstaltungen, beglaubigte Kopien von Zeugnissen und Urkunden, jedoch keine Sonderdrucke) werden bis zum **28. Juni 2002** an den Dekan der Naturwissenschaftlichen Fakultät II (Biologie, Chemie und Pharmazie) der Universität Erlangen-Nürnberg, Universitätstraße 40, D-91054 Erlangen, erbeten.

Friedrich-Alexander-Universität Erlangen-Nürnberg



nature Structural Diology

seeks an ASSISTANT EDITOR, SIX MONTH TERM

Nature Structural Biology is a prestigious international monthly journal covering all aspects of research pertaining to biomolecular form and function. We have an exciting opportunity available for a scientist eager to gain experience in editing and writing for a scientific journal. Nature Structural Biology seeks an Assistant Editor to help develop the journal. This is a six-month position. During this time the successful candidate will work full time in our New York City office and participate in all aspects of the editorial process, including manuscript selection and editing, commissioning and editing News & Views and Reviews, and writing for the journal. The job also involves attending scientific meetings and forging links with the international scientific community. The new editor will work with our small team of editors within the larger publishing group that also produces Nature Genetics, Nature Medicine, Nature Biotechnology, Nature Neuroscience and Nature Immunology. The successful applicant will also enjoy a close working relationship with the London-based Nature, Nature Cell Biology, and Nature Reviews teams.

Applicants should have an intense curiosity about science and a broad understanding of the field, and should have a Ph.D. and preferably post-doctoral experience with a strong research background in molecular biology, biochemistry or structural biology. The ideal candidate will also have excellent literary skills and an enthusiasm for and commitment to the communication of science.

Please submit a curriculum vitae, a short (500–1000 words) News and Views-style article on an exciting and newsworthy recent development in a relevant scientific area, and a cover letter explaining your interest in the position to Human Resources Department, Re: *Nature Structural Biology*, 345 Park Avenue South, New York, NY 10010 (fax: 212-696-9594; email: admin@natureny.com). Consideration will begin as soon as applications arrive; applications should arrive **no later than June 25, 2002.** EOE



National Institute on Deafness and Other Communication Disorders

Postdoctoral Position Research Fellow Position

Positions are available in the Section on Neurogentics to study the genetics of deafness in mice. The lab is interested in the genetics of single gene mutations and in genetic modifiers. Projects include mapping and cloning of ENU-induced deafness mutations and using 'sensitized screens' to identify modifiers.

Interested candidates with Ph.D. and/or M.D. should have 0-3 years or 4-6 years of postdoctoral experience.

Please send CV and the names of three references to: Konrad Noben-Trauth Section of Neurogenetics, NIDCD 5 Research Court Rockville, MD 20850 Email: nobentk@nidcd.nih.gov Phone: (301) 402-4223 Fax: (301) 402-5354

NIH is an Equal Opportunity Employer

PLANT ECOLOGIST - INVASIVE SPECIES MANAGEMENT RESEARCH

The Agricultural Research Service (ARS) of the US Department of Agriculture invites applications for a Research Plant Ecologist that is to be located in Reno, Nevada. The position serves in the Exotic and Invasive Weed Research Unit (EIWRU) which conducts studies on the biology and control of invasive plant species. The position will have full responsibility for initiating, developing and managing independent research projects addressing the biology, ecology and control of invasive plants, including saltcedar (Tamarix spp). Research may include plant growth and developmental biology, temporal and spatial population dynamics, and interactions with other abiotic and biotic factors affecting population dynamics, pest management and habitat restoration/ revegetation ecology. The research effort should include a combination of field, laboratory and greenhouse studies for improving the management of these plant pests through better ecological understanding of population dynamics and interactions with other species in the natural environment. As a team member, cooperates with other research scientists in the EIWRU, other ARS locations, state departments of agriculture, university scientists and private groups, contributing skills in botany, ecology, invasion biology, and intra/inter-species competition, toward the integrated management of invasive weeds.

Candidates must be a U.S. Citizen. Ph.D. or equivalent doctoral degree required, and 1 year of specialized experience in plant ecology. A complete copy of the vacancy announcement and where to apply can be found at: www.afm.ars.usda.gov/divisions/hrd/hrdhomepage/empopp.htm or www.ars.usda.gov Select announcement number ARS-X2W-2271 or contact Janet Tsukahira on 510-559-6029 or Christine Isaac on 301-504-1469 for application details. Closing date for applications is June 14, 2002. For more details on the scientific aspects of the position, contact Dr. Lars Anderson, Search Chair, (530) 752-6260; e-mail lwanderson@ucdavis.edu.

USDA is an Equal Opportunity Provider and Employer.

POSITIONS OPEN

The Department of Pharmacology at the Boston University School of Medicine invites applications for a faculty position at the rank of ASSOCIATE or FULL PROFESSOR. The successful candidate will contribute to graduate and medical student teaching and will have interests and expertise that complement existing departmental strengths in molecular biology, synaptic transmission, signal transduction, neuropharmacology, drug abuse, neuropeptides, and neurodegeneration. We are particularly interested in individuals utilizing or developing state-of-the-art parallel or multiunit recording techniques (*in vitro* and/or *in vivo*), new technology for monitoring cells or receptors on polymer-coated microchips, drug delivery technologies, advanced methods for probing receptor/ion channel structure-function, drug discovery technologies, advanced methods for probing receptor/ion channel structure-function, drug discovery technologies, and pharmacogenomics. Applicants should have an independent research program and an established record of extramural funding. Please send curriculum vitae, statement of research interests, and the names of three references to: Bryan K. Yamamoto, Ph.D., Chairman of the Pharmacology Search Committee, Department of Pharmacology and Experimental Therapeutics, Boston University School of Medicine, 715 Albany Street, Boston, MA 02118. An Equal Opportunity/Afjirmative Action Employer.

BICHEMISTRY, CELL, AND MOLECULAR BIOLOGY Texas Tech University Health Sciences Center

The Department of Cell Biology and Biochemistry has a tenure-track position available for an ASSIST-ANT or ASSOCIATE PROFESSOR. Consideration will be given to candidates' ability to complement current strengths of the Department, which include reproductive biology, cellular differentiation, and cancer (visit website: http://www. remedy.ttuhsc.edu/cbb/ for additional information). However, quality of candidates' scientific achievements is more important than specific research area. Candidates for Associate Professor must have a strong record of research funding. To apply, send curriculum vitae, statement of research interests, and names and addresses of three references to: Professor Charles H. Faust, Search Committee Chair, De-partment of Cell Biology and Biochemistry, TTUHSC, 3601 Fourth Street, Lubbock, TX 79430. Application materials can also be submitted as PDF files to e-mail: pam.roddy@ttmc.ttuhsc.edu. Deadline for receipt of applications is July 1, 2002.

DIRECTOR OF PREHEALTH EDUCATION

The University of Richmond seeks an individual who will develop, coordinate, and administer a prehealth advising program including an MCAT review course. Currently, prehealth advising is handled by a faculty committee. This is a 12-month, nontenuretrack FACULTY APPOINTMENT and is initially for three years. The holder must have an M.S. or Ph.D. in a life science discipline, preferably biology, together with teaching and advising experience. The duties include teaching of two classes each academic year. The position is available July 1, 2002. Refer to the website: http://www.richmond.edu/ academics/a&s/Dean/jobs_info/prehealth.html for information about the application process and a more detailed job description. Review of applications will start May 31, 2002, and continue until the position is filled.

POSTDOCTORAL POSITION to study the consequences of herpesvirus infection on the activity and composition of cellular transcription factor complexes and how virus-induced changes affect the transcription of the viral genome. The approaches taken include gene expression analysis using microarrays, protein biochemistry, and virus genetics. Applicants should possess a Doctoral degree in molecular genetics, biochemistry, or virology. Applicants should send current curriculum vitae and list of references to: Neal DeLuca, Ph.D., Professor, Department of Molecular Genetics and Biochemistry, B1257 Biomedical Science Tower, University of Pittsburgh School of Medicine, Pittsburgh, PA 15261. Email: ndeluca@pitt.edu.

POSITIONS OPEN



RESEARCH ANIMAL SCIENTIST

The Animal Waste Pathogen Laboratory, Animal and Natural Resources Institute of the Beltsville Agricultural Research Center, seeks applications for a Research Animal Scientist position with a strong background in microbiology. The incumbent will be responsible for coordinating studies that will relate dairy herd management practices and dairy farm microbial ecology to the transmission of zoonotic pathogens in milk. Incumbent will work as a team member and as an independent Researcher addressing questions using molecular as well as traditional culture approaches to identification and characterization of zoonotic pathogens in animal waste. U.S. citizenship is required. Applicants must address specific knowledge, skills, and abilities indicated in Vacancy Announce-ment Number ARS-X2E-2277. For information on research program, contact: Dr. Michael Perdue; email: mperdue@anri.barc.usda.gov. For application information/forms, Telephone: 301-504-1369 or view Announcement Number ARS-X2E-2277 at website: http://www.ars.usda.gov. Applications must be submitted by May 20, 2002. USDA/ARS is an Equal Opportunity Employer.

ENVIRONMENTAL SCIENTIST needed to manage scientific component of a watershed restoration program in north central Florida. Responsibilities include implementation of scientific projects and contracts; stakeholder coordination; knowledge of limnology; wetland ecology; water quality; environmental and water resource restoration; contract management; and skill in experimental design, statistical analysis, and communication. For qualifications and additional information, visit our website: http:// sjrwmd.com; toll-free Telephone: 1-877-384-3978. A résumé identifying source of ad and position Number 43010594 may be submitted by May 17, 2002, to: St. Johns River Water Management District, Office of Human Resources, P.O. Box 1429, Palatka, FL 32178-1429. E-mail: hrjobs@sjrwmd. com. Excellent pay plan/benefits. Equal Opportunity Employer/Veteran's Preference/DFW.

LIMNOLOGIST/AQUATIC CHEMIST Flathead Lake Biological Station The University of Montana

Research Coordinator/Supervisor of sample collection and analyses for a wide variety of limnological and ecological research projects. Inorganic/organic chemical constituents in water, soil and plant tissue, zooplankton, benthos, stable isotopes, and lipids among other analytical tools. M.S. or Ph.D. in limnology or aquatic (analytical) chemistry and five years of experience conducting and publishing scientific research required. See website: http:// www.umt. edu/biology/fibs for more information. Send letter, detailed curriculum vitae, and three references to email: sgill@selway.umt.edu. Interviews begin May 13, 2002. University of Montana is an Equal Opportunity Employer.

POSTDOCTORAL FELLOW Gene Expression

Postdoctoral position available in the area of gene expression and transcription, particularly relating to the KLF family of transcription factors. Our laboratory concentrates on LKLF, which is involved in lung, macrophage, and lymphocyte development and function. Our program offers an exciting opportunity to study these factors using a variety of techniques including conditional knockout and transgenic animals as well as a variety of cellular systems. Interested candidates should send their résumé to: Jerry B. Lingrel, Ph.D., Professor and Chair, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Cincinnati, OH 45267-0524.

POSITIONS OPEN

MICROBIOLOGIST/EVOLUTIONARY GENETICIST. The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), National Center for Agricultural Utilization Research (NCAUR), Peoria, Illinois, is seeking a permanent, full-time Microbiologist/Evolutionary Geneticist, GS-12/13 (starting salary commensurate with experience plus a comprehensive benefits package) for the Microbial Genomics and Bioprocessing Research Unit. The successful candidate is expected to develop a vigorous and independent research program on the population structure and evolution of foodborne and other agriculturally important bacteria. The person selected will join an established molecular systematics and population biology research group. In addition to excellent research facilities, funding will be provided for the research program as well as for a full-time technician. Applicants must have a Ph.D. or equivalent, significant training and research experience in molecular systematics and/or population genetics, and a strong interest in the genetics and diversity of agriculturally important bacteria. U.S. citizenship is required. For full text of the vacancy announcement, which includes application information, call: Kathy John; Telephone: 309-681-6542; or visit the ARS vacancy website: http://www.ars.usda.gov/ afm2/divisions/hrd/hrdhomepage/empopp. htm. Announcement Number ARS-X2W-2189. For information on the research program and/or position, contact: Dr. Cletus Kurtzman; Tele-phone: 309-681-6561. Applications in response to this ad must be marked ARS-X2W-2189 and postmarked by July 25, 2002. USDA/ARS is an Equal Opportunity Provider and Employer.

TECHNOLOGY SPECIALISTS (metro areas of Washington, D.C., and Boston, Massachusetts) for intellectual property law firm, which provides technical expertise and opinions for biotechnology and medical devices; prepares patent applications; and works on technology licensing. Ph.D./biophysics, biology, or chemistry or a related field required for all positions.

Position One (D.C.): Ability to sit for patent examination before USPTO.

Position Two (Boston): Must have one year of experience providing technical expertise and support in the development of biomedical devices and products; admission to practice before USPTO.

Position Three (D.C. or Boston): Ph.D. required. Biochemistry, molecular biology, or immunology preferred. Must have been accepted at or attend local area evening law school program.

Send résumé with position number to: S. Gentes; Finnegan, Henderson, Farabow, Garrett & Dunner, LLP; FAX: 202-408-4400.

PLANT SYSTEMATIST AND HERBARIUM CURATOR: The Morton Arboretum seeks a Plant Systematist to conduct research on woody temperate plants, curate the herbarium (MOR), serve as taxonomic authority for the Arboretum, and participate in Chicago region conservation partnerships. Requirements: Ph.D. in plant systematics, experience with temperate woody plants, knowledge of native and cultivated taxa, and understanding of relevant plant codes. To apply, send curriculum vitae, five references, and cover letter to: The Morton Arboretum, Human Resources, 4100 Illinois Route 53, Lisle, IL 60532 U.S.A. Website: http://www.mortonarb.org.

MEDICAL PHYSICIST: Apply knowledge/ methodology of science of physics to all aspects of medicine to address problems related to diagnosis and treatment of human disease; advise/consult with Physicians for radiation therapies and conduct mathematical analysis/applications of computers in medicine. Forty hour week; 8 a.m. to 5 p.m. Salary: \$31,535 per year. B.S. in physics with university courses in radiation biology and radiation safety and nuclear physics; one and one-half years of experience as a Medical Physicist. Résumés to: MDCD/ESA, P.O. Box 11170, Detroit, MI 48202-11170, Referenc Number 201741. Employer paid ad.

Washington University in St. Louis

Markey Professorship Department of Biology

The Department of Biology is seeking an outstanding scholar whose research interests lie at the interface between evolutionary and developmental biology to hold a newly established Markey Professorship of Biology. This endowed chair will be accompanied by a generous allotment of space and start-up funds. The holder of the chair will be expected to establish a vigorous research program and to provide leadership in the future growth of this area of research and training within our department. Those studying any aspect of the evolution of animal development will be considered, but candidates with expertise in the evolution of regulatory networks, pattern formation, developmental constraints on morphological variation, or morphogenetic mechanisms will be viewed with particular interest

Consideration of applicants will begin on June 1, 2002 and continue until the position is filled. Letters of application should be accompanied by a curriculum vitae, brief statements of research and teaching interests, reprints of up to three selected papers, and the names and affiliations of three persons who can be contacted for letters of recommendation, and sent to: Markey Professor Search, Department of Biology, Campus Box 1137, One Brookings Drive, St. Louis, MO 63130-4899.

Women and members of minority groups are encouraged to apply. Washington University is an Affirmative Action Employer.

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The search stops here.

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Agricultural Research Service

The U.S. Department of Agriculture, Agricultural Research Service, is accepting applications for four permanent, full-time positions in Madison, Wisconsin.

1. Interdisciplinary: Research Plant Geneticist/Molecular Biologist/Ecologist in the Vegetable Crops Research Unit, located on the University of Wisconsin campus to lead research dealing with the evaluation of approaches to introduce specific genes (especially transgenes) into crop plants with minimal adverse effects for use in complex agroecosystems; and with assessment of the effects of introduced genes on plant populations. The research will include determination of potential negative and positive environmental impact. The incumbent will evaluate gene flow among horticultural crop plants with transgenes and foreign genes, assess interspecific movement of genes and chromosome regions from crop genomes to wild or feral relatives. Expertise in population genetics, quantitative genetics, and molecular genetics is required. Salary: range is \$54,275 - \$99,150 per year, commensurate with experience. For information on the research program contact Philipp Simon, 608-262-1248, psimon@facstaff.wisc.edu.

2. Research Molecular Geneticist/Molecular Biologist in the Cereal Crops Research Unit. The incumbent will be responsible for research leading to improved malting quality of barley and nutritional quality of oats and barley, and for developing new technologies for evaluating the quality of oats and barley. The objectives of the project involve using a functional genomics approach to identify expressed structural and regulatory genes that affect grain quality of barley for malting and brewing and nutritional content of oats and barley, and to determine regulatory processes that control gene expression for barley and oat grain quality. The research will lead to improved cultivars of barley and oats that have higher value for the producer and processor and contribute to a more healthful diet for the consumer. Salary: range is \$54,275 - \$83,902 per year, commensurate with experience. For information on the research program contact David Peterson, 608-262-4482, dmpeter4@facstaff.wisc.edu.

3. Research Molecular Geneticist/Molecular Biologist in U.S. Dairy Forage Research Center. The incumbent will be responsible for research leading to the development of improved forages that will positively impact forage production. The objectives of the project involve developing molecular strategies that will lead to improved protein utilization, identification of genes/gene regulatory factors to improve digestibility of forage cell walls, developing molecular strategies to produce value added products, and identification of genes that improve forage nutritive value and persistence. The research will lead to improved cultivars of forage legumes and grasses important to traditional and seasonal grazing dairy production systems. Salary: range is \$54,275 - \$83,902 per year, commensurate with experience. For information on the research program contact Neal Martin, 608-264-5240, npmartin@facstaff.wisc.edu.

4. Research Agronomist/Soil Scientist/Ecologist in U.S. Dairy Forage Research Center. The incumbent will be a member of an integrated farming systems and nutrient management team that is developing sustainable, environmentally sound, and competitive dairy forage systems for the U.S. The objectives of the project involve evaluation of crop and grazing management practices, crop rotations, tillage practices, forage harvesting and storage methods, and manure management systems to develop ecologically sound and profitable forage-based cropping and grazing systems for dairy farms, development of production systems to expand the use of perennial forages as cash crop alternatives, especially for the production of bioenergy, chemicals, enzymes, or pharmaceuticals, and to improve, develop or test decision-aid tools to assist producers in designing more sustainable production systems. The research will lead to forage- and grazing-based systems that efficiently use land and water resources, improve nutrient cycling and balances on farms, and economically produce high quality biomass for livestock feeding or other purposes. Salary: range is \$54,275 - \$83,902 per year, commensurate with experience. For information on the research program contact Neal Martin, 608-264-5240, npmartin@facstaff.wisc.edu.

For all positions, a Ph.D. in a relevant field or equivalent experience is required. Candidates must be U.S. citizens. For a copy of the vacancy announcements and application forms, contact **Jean Weinbrenner**, 608-264-5357, jweinbr@facstaff.wisc.edu or visit website http://www.ars.usda.gov/opportun.htm. Applications must be marked with the announcement number and must be postmarked by June 10 for position number 4 and July 1, 2002 for positions 1, 2 and 3.

> USDA is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.



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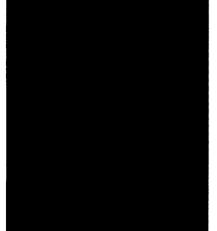
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AWARDS



MELANOMA RESEARCH AWARDS

The Melanoma Research Foundation is a nonprofit organization dedicated to the support of melanoma research and the melanoma patient community. Our research awards are aimed at supporting medical research that will further the development of effective treatments and ultimately a cure for malignant melanoma, while encouraging a new generation of scientists and clinicians to join in this mission. Applicants should be young faculty members who are beginning a career in melanoma research and have not yet established strong federal funding. Both basic and clinical research projects will be considered. Applications primarily for the support of a postdoctoral fellow will also be considered. The research awards are \$50,000 per year for two years. Information on previous awards and applications materials are available on our website at http://www.melanoma.org. Applications must be received by July 1 of each year, to commence on January 1 of the following year.

Submissions and inquiries should be directed to: Research Grant Committee The Melanoma Research Foundation 114 West Magnolia St., Suite 440 Bellingham, WA 98225 Phone: 800-673-1290 Email: research@melanoma.org Web: http://www.melanoma.org

GLOBAL OPPORTUNITIES

THE UNIVERSITY OF NEWCASTLE, AUSTRALIA

The University of Newcastle is situated in the Hunter and Central Coast Regions of NSW and is one of Australia's leading universities - an exceptional achiever in research with an international reputation for expertise in innovative approaches to teaching and learning.

FACULTY OF HEALTH

SCHOOL OF BIOMEDICAL SCIENCES

CHAIR OF ANATOMY

Position No. A85/02

The School of Biomedical Sciences is making a major commitment to the appointment of a new Professor of Anatomy and is looking for an internationally recognised researcher with a strong commitment to fostering undergraduate and postgraduate teaching and to developing new research programs.

The School formally combines the disciplines of medical biochemistry, human physiology, immunology and microbiology, anatomy, medical genetics and experimental pharmacology. The School (http://www.newcastle.edu.au/school/biomedical-sci/) is part of the Faculty of Health and is a comprehensive research and teaching school with commitments to the degree programs of Medicine, Biomedical Science, Nursing and the Health Science professions. Major research groups exist in the fields of neuroscience, cancer and cell biology, infection and virology, membrane biophysics and bowel cancer genetics. Cross Faculty and hospital-based research is enabled through the Hunter Medical Research Institute (http://www.hmr.net.au/res-rpt.htm).

Applications close: Wednesday 12 June 2002

Before submitting an application, please obtain additional information about the position including the selection criteria and application procedure in one of the following ways:

Website: www.newcastle.edu.au/employment Email: employment@newcastle.edu.au 61 2 4921 5266 Phone:



www.newcastle.edu.au/employment

POSITIONS OPEN

RESEARCH AGRONOMIST OR RESEARCH ECOLOGIST United States Department of Agriculture Agricultural Research Service

The U.S. Department of Agriculture, Agricultural Research Service, Fairbanks, Alaska, Subarctic Agricultural Research Unit, invites applications for the position of Research Agronomist or Research Ecologist; \$49,959 to \$77,229 per annum plus 25 percent COLA (salary commensurate with experience). A Ph.D. or equivalent in agronomy, ecology, biology, or a closely related field is desired. The incumbent plans, supervises, conducts, and publishes basic and applied research on weeds of agricultural and natural systems and advises on technical and practical matters related to exotic invasive plant management. The incumbent provides weed control expertise for multi-disciplinary team research projects and leads independent and team research to improve understanding of the ecology and management of weeds including exotic invasive species in sub-Arctic crops and natural systems. This assignment is part of a highly technical, long-term fundamental research program providing knowledge about the ecology and management of weeds affecting cropping systems and sub-Arctic natural systems.

This is a competitive, permanent appointment and U.S. citizenship is required. For specific application procedures and requirements, obtain a copy of the vacancy announcement on our website: http:// www.ars.usda.gov. For assistance, you may call: Ms. Trudy Silva; Telephone: 510-559-6000; e-mail: tsilva@pw.ars.usda.gov. Applications must be postmarked by the closing date on the announcement: May 31, 2002. Please mark your application with the vacancy announcement number, ARS-X2W-2236. ARS is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.

A POSTDOCTORAL POSITION is available at the Laboratory of Molecular Biology, NIDDK, NIH, to study how intracellular adaptor molecules such as 14-3-3 modulate the three-dimensional structure of their various binding partners. There are several complexes under investigation; in some cases, crystals for structure determination have already been obtained. This position is ideal for a highly motivated individual who has a strong background in either biochemistry, chemistry, or biophysical chemistry and a keen intertained their Ph.D. degree within the past five years. The Laboratory of Molecular Biology offers an interdisciplinary environment and access to excellent experimental and computational facilities. More information can be found at website: http:/ www. mslmb.niddk.nih.gov/dydagroup.html. Please send cover letter, curriculum vitae, and the names and addresses of three references to: Dr. Fred Dyda, LMB, NIDDK, Building 5, Room 303, 5 Center Drive MSC 0560, Bethesda, MD 20892-0560. E-mail: dyda@ulti.niddk.nih.gov. The NIH is an Equal Opportunity Employer.

The Department of Psychiatry and Behavioral Sciences at the University of Louisville School of Medicine invites Ph.D. applicants for a position at the AS-SISTANT/ASSOCIATE PROFESSOR level in cognitive neuroscience research. The successful candidate will have interest and experience in brain-mapping research and will work in the Department's cognitive neuroscience laboratory, which is equipped with a 128-channel electroencephalograph brainmapping system. Research priorities of the laboratory include depression, schizophrenia, addictions and alcoholism, and anxiety disorders. Postdoctoral experience is highly desirable. A record of extramural research funding and publication is preferred. Applicants should send curriculum vitae, description of research interests, reprints, and three letter of recommendation to: Allan Tasman, M.D., Department of Psychiatry and Behavioral Sciences, University of Louisville School of Medicine, Louisville, KY 40292. University of Louisville is an Affirmative Action/ Equal Opportunity Employer. Women and members of cultural or ethnic minority groups are encouraged to apply.

POSITIONS OPEN

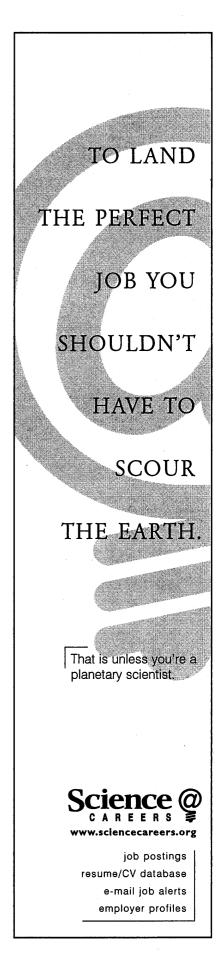
A POSTDOCTORAL POSITION is available immediately to investigate the function of the COP9 signalosome (CSN) and its role in cell proliferation and differentiation, signal transduction, and vertebrate development (Current Biol. 12:667-672, 2002; TIG 15:98-103, 1999). Interested candidates should send curriculum vitae and names of three references with contact information to: Dr. Ning Wei, Department of MCDB, Yale University, P.O. Box 208104, New Haven, CT 06520-8104. E-mail: ning.wei@yale. edu.

The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Respiratory Diseas es of Livestock Research Unit at the National Animal Disease Center, Ames, Iowa, is seeking a Scientist to use innovative approaches to solving bacterial diseases of the respiratory tract of poultry, specifically basic and applied concepts to control infections caused by Bordetella avium, Pasteurella multocida, and Ornithobacterium rhinotracheale. The Scientist will serve as an independent **INVESTIGATOR** and as a team member in the Respiratory Diseases of Poultry project. The incumbent will develop research proposals pursuant to project objectives. The incumbent will develop methods of approach and will be responsible for organizing, conducting, interpreting, and reporting assigned portions of the research results upon completion. A D.V.M. with a Master's or Ph.D. in pathology, microbiology, molecular biology, or immunology or equivalent experience is preferred. Comprehensive benefits package includes paid annual and sick leave, life insurance, health insurance, and a savings and investment plan in addition to a federal retirement plan. Salary will be commensurate with experience (\$43,326 to \$80,279). U.S. citizenship is required. For further information, please contact: Dr. Kim Brogden; Telephone: 515-663-7255 or 515-663-7534. Vacancy announcements and application information can be obtained from ARS DIAL-A-VA-CANCY; Telephone: 301-504-1482; Janae Lentz; Telephone: 515-663-7277; or the ARS website: http://www.ars.usda.gov/careers/. Applications in response to this ad must reference Vacancy Announcement Number ARS-X2W-2274. The USDA is an Equal Opportunity Provider and Employer

MOLECULAR EPIDEMIOLOGIST

ASSISTANT PROFESSOR in Department of Environmental and Occupational Health. Conduct original epidemiologic research on the genetic susceptibility of disease from environmental or occupational influences. Opportunity to collaborate with established molecular epidemiology groups at the Arkansas Cancer Research Center and the National Center for Toxicological Research and to conduct studies in a medical center with an infrastructure available to support genotyping, phenotyping, and proteomics studies. Competitive salary and start-up funds. Should have background in translational research. Send curriculum vitae and names of three references to: Dr. Fred F. Kadlubar, Search Committee Chair, College of Public Health, 4301 West Markham Street, Slot 820, University of Arkansas for Medical Sciences, Little Rock, AR 72205.

POSTDOCTORAL POSITION in seabird conservation focusing on population-level implications of fisheries from bycatch to food provisioning. One to two years. We seek a dynamic, enthusiastic, and innovative individual ready to find solutions. Interested applicants should send a cover letter, curriculum vitae, and names and contact information of three references to: Julia K. Parrish, School of Aquatic and Fishery Sciences, University of Washington, Box 355020, Seattle, WA 98195. E-mail: kalitle@u. washington.edu. Application review starts 24 May 2002. The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University is an Equal Opportunity/Affirmative Action Employer.



GRANTS

Invitrogen's Research Tools Development Grants Program

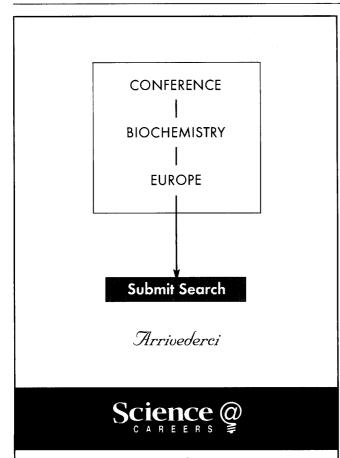
Creating the future of biotech – together

New and established investigators working in academics, not-for-profit institutions, and for-profit companies are encouraged to apply for Invitrogen's Research Tools Development Grants Program. Grants are provided on a quarterly basis, with total funding of US\$5 million per year and annual awards up to US\$100,000.

The second quarter 2002 focus is on **Functional Analysis**, understanding how genes and their corresponding proteins function and interact *in vitro* and *in vivo*. Deadline for full Grant Proposals is June 1. A preproposal is required. Visit www.invitrogen.com for more information, or contact us at grants@invitrogen.com.

😫 Invitrogen⁻

1600 Faraday Ave., Carlsbad, CA 92008 USA P: 760 476 6 140 F: 760 602 6563 www.invitrogen.com



Meetings and Announcements @www.sciencemeetings.org



Dynamic Organization of Nuclear Function September 18 - 22, 2002

Abstracts Due: June 26, 2002

Organizers

Wendy Bickmore, Western General Hospital, Edinburgh, UK Gideon Dreyfuss, HHMI / University of Pennsylvania David Spector, Cold Spring Harbor Laboratory Katherine Wilson, Johns Hopkins University School of Medicine

Topics and Session Chairs

- Nuclear Structure and Disease
- David Livingston, Dana-Farber / Harvard Medical School
- Dynamic Properties of the Nuclear Envelope Lamina Bob Goldman, Northwestern University Medical School
- Nuclear Transport
- lan Mattaj, European Molecular Biology Laboratory, Germany
- Genome Organization and Transcription
- Susan Gasser, ISREC, Switzerland
- RNA Processing
- Joan Steitz, Yale University School of Medicine
- Nucleoli and Other Organelles

Angus Lamond, University of Dundee

 New Approaches to Study Nuclear Structure/Function Robert Singer, Albert Einstein College of Medicine

Other 2002 CSHL Meetings

67th Symposium: The Cardiovascular System May 29 - June 3 Cancer Genetics and Tumor Suppressor Genes August 14 - 18 Molecular Genetics of Bacteria & Phages August 20 - 25 Translational Control September 10 - 15 Dynamic Organization of Nuclear Function September 18 - 22 Axon Guidance & Neural Plasticity September 25 - 29 Molecular Genetics of Aging October 2 - 6 Germ Cells October 9 - 13 Human Origins & Disease October 30 - November 3 Tissue Engineering November 21 - 24 Therapeutic Opportunities in Neurodegenerative Diseases Dec 5 - 8

Comparative Plant Genomics December 12 - 15

Cold Spring Harbor Laboratory Meetings & Courses Programs 1 Bungtown Road. Cold Spring Harbor NY 11724 www.cshl.edu/meetings

Tel 516 367 8346 Fax 516 367 8845 email meetings@cshl.edu

POSITIONS OPEN

POSTDOCTORAL POSITIONS Immunology/Transplantation/Proteomics School of Medicine, University of Nevada Reno, Nevada

Four positions in cellular and molecular immunology: NK biology, hematopoietic transplantation, pro-teomics, and biochemical mechanisms of lymphocytemediated killing. Two Postdoctoral Fellowships to study immunotherapy using murine models of bone marrow transplantation in tumor-bearing mice including the effects of immunomodulatory agents (anti-bodies and cytokines) in the laboratory of William J. Murphy, Ph.D. Two positions to study proteomics and biochemistry of lymphocyte-mediated cytotoxic-ity including granzymes, perforin, and other toxic proteins of T and NK cells in the laboratory of **Dor**othy Hudig, Ph.D. Promotion to research faculty positions possible for outstanding individuals. Re-quired experience includes Ph.D. or equivalent degree and first-authored publications in English-language journals. Training in immunology, tumor biology, and *in vivo* murine models preferred for positions with Dr. Murphy; training in immunology, molecular biology, protein chemistry, enzymology, and cell biol-ogy is preferred with **Dr. Hudig**. See the UNR Cell and Molecular Biology Program website: http:// www.unr.edu/embprog/employment.htm for ad-ditional information. Send letter of application, cur-riculum vitae, and three names and addresses of professional references to either: W. J. Murphy, Ph.D. or Dorothy Hudig, Ph.D., Search Committee Chairs, c/o Mrs. Jan Amesbury, Department of Microbiology/320, School of Medicine, University of Nevada, Reno, Reno, NV 89557-0046. Application review will begin June 1, 2002. Affirmative Action/Equal Opportunity Employer.

Two **POSTDOCTORAL POSITIONS** are available immediately to define the mechanisms of DNA double-stranded break repair in yeast and human cells (see *Nature* **393**:91–94, 1998; *Mol. Cell* **6**:563–572, 2000; *Genes Dev.* **15**:3308–3318, 2001; *Mol. Cell* **8**:1105–1115, 2001). Positions offer a competitive salary and generous fringe benefits. Prior training in molecular biology or protein biochemistry is desirable but not necessary.

Please forward curriculum vitae and the names of three references to:

Patrick Sung, Professor Institute of Biotechnology and Department of Molecular Medicine The University of Texas Health Science Center at San Antonio 15355 Lambda Drive San Antonio, TX 78245-3207 Telephone: 210-567-7216; FAX: 210-567-7277 E-mail: sung@uthscsa.edu

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

POSTDOCTORAL RESEARCH POSITION. Environmental Chemist needed to study ecotoxic effects of Se in natural ecosystems using X-ray absorption spectroscopy, atomic absorption spectroscopy and HPLC. Ph.D. in environmental/analytical chemistry preferred. Please send curriculum vitae and names of three references to: Dr. Norman Terry, Department of Plant and Microbial Biology, 111 Koshland Hall, University of California, Berkeley, Berkeley, CA 94720-3102. E-mail: nterry@ nature.berkeley.edu.

POSTDOCTORAL POSITIONS are available in Department of Physiology at University of Michigan Medical School at Ann Arbor. The research will focus on insulin signal transduction, obesity, and Type 2 diabetes using techniques including gene targeting, immunohistochemistry, immunoblotting, and other molecular/cellular methods. Send your curriculum vitae to: Dr. Liangyou Rui, Joslin Diabetes Center, Room 635, Harvard Medical School, One Joslin Place, Boston, MA 02215. E-mail: liangyou.rui@ joslin.harvard.edu; FAX: 617-732-2593. POSITIONS OPEN

The Center for Bio/Molecular Science and Engineering at the Naval Research Laboratory has openings for POSTDOCTORAL RESEARCH ASSO-**CIATES** in molecular biology, biochemistry, and biophysics. Positions are available in the areas of (1) self-assembled films of biological molecules; (2) surface characterization using optical, atomic force, or electron microscopy; (3) protein engineering; and (4) energy transfer in photosynthetic proteins. CBMSE is one of the nation's leading interdisciplinary research organizations applying modern techniques from the areas of chemistry, physics, molecular biology, materials science, and chemical engineering to a variety of studies. Starting salaries are \$53,000 per year and opportunities are excellent for transition to permanent status after a successful postdoctoral tenure. Candidates must have received a Ph.D. in a relevant field within the past five to seven years. Postdoctoral positions are tenable through either the NRC Research Associateship Program or the ASEE/ONR Postdoctoral Fellowship Program. U.S. citizenship on nanent residency is required. Interested persons should send a résumé including a list of publications and references to: Ms. Ena Barts, Code 6910, Naval Research Laboratory, Washington, DC 20375. Email: enb@cbmse.nrl.navy.mil. NRL is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS M. D. Anderson Cancer Center Science Park Research Division

Postdoctoral positions are immediately available to study molecular and cellular mechanisms of cancer development. The multidisciplinary faculty at MDACC Science Park direct research projects in various areas including but not limited to DNA repair and mutagenesis; role of genetic susceptibility and tumor suppressor genes in cancer; cell cycle regulation; immunology; and virology, chemoprevention, and functional genomics. The use of transgenic and knockout models is emphasized. Additional information is available on our website: http://sciencepark. mdanderson.org.

Candidates for this NCI-sponsored training program must be U.S. citizens or permanent residents with a Ph.D., M.D. or D.V.M. degree. For application material, contact: Dr. Ellen Richie, Science Park, P.O. Box 389, Smithville, TX 78957. E-mail: erichie@odin.mdacc.tmc. edu.

POSTDOCTORAL RESEARCH ASSOCI-ATE position is immediately available to work on an NIH-supported project to develop/implement transposable element-based, gene-finding technologies in insect vectors of disease. The project involves extensive use of transgenic insect technologies (Atkinson, P.W., A.C. Pinkerton, and D.A. O'Brochta, Ann. Rev. Entomol. 46:317-346, 2001) and strong familiarity with molecular genetics methodologies, insect biology, and genetics. Ph.D. in molecular genetics or related area. Salary commensurate with experience. Send curriculum vitae/résumé, statement of research interests/skill, and three references to: Research Associate (R3-0137), Center for Agricultural Biotechnology, University of Maryland Biotechnology Institute, 5115 Plant Sciences Building, Col-lege Park, MD 20742-4450. Consideration of applications will begin May 1, 2002, and continue until the position is filled. See website: http://www. umbi.umd.edu/jobs. University of Maryland is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP in molecular genetics available immediately at the NIH in Phoenix, Arizona. We are working to identify and characterize genes that contribute to the high prevalence of Type 2 diabetes among Pima Indians of Arizona. Projects include both positional cloning and candidate gene analysis. Applicants must have either a Ph.D. or M.D. degree with experience in molecular biology or cell biology. The two-year Fellowship is funded by the American Diabetes Association. Please send curriculum vitae to: Leslie Baier, Ph.D. NIDDK, National Institutes of Health, Phoenix, AZ 85016. E-mail: Ibaier@phx.niddk.nih.gov.

POSITIONS OPEN

POSTDOCTORAL POSITION immediately available to investigate signaling pathways used by transforming growth factor beta 1 and fibroblast growth factor 2 to induce cardiac hypertrophy. Knockout mice for these genes are unable to develop cardiac hypertrophy upon stimulation by angiotensin II and hemodynamic stress. However, it is unknown which of the multiple signaling pathways activated by these two growth factors is utilized. The goal of this position is to determine those pathways. The position is funded by a National Institutes of Health grant. Please contact: Tom Doetschman, Ph.D., Professor of Molecular Genetics, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Cincinnati, OH 45267-0524. Telephone: 513-558-0090; e-mail: thomas.doetschman@uc. edu. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITIONS are available immediately. One project focuses on molecular mechanisms underlying STAT protein function in gene regulation and immunity. Another project focuses on proteasomal degradation of STATs mediated by paramyxoviruses. Experience in molecular biology, cell biology, biochemistry, and/or virology is required. Send curriculum vitae, a brief summary of research experience, and contact information for at least three references to:

> Curt M. Horvath, Ph.D. Immunobiology Center Mount Sinai School of Medicine East Building 12-20D, Box 1630 One Gustave L. Levy Place New York, NY 10029 U.S.A. FAX: 212-849-2525 E-mail: horvathlab@yahoo.com

POSTDOCTORAL POSITION available June 1, 2002, to study brassinosteroid signal transduction in *Arabidopsis*. Research involves identification of *in vivo* autophosphorylation sites of the BRI receptor kinase (Oh et al., *Plant Physiol.* 124:751, 2001). Must have Ph.D. in relevant field and experience in molecular biology and protein biochemistry. Apply to Position 0105 by sending curriculum vitae and e-mail addresses of three references to: Dr. Steve Clouse, Box 7609, North Carolina State University, Raleigh, NC 27695-7609 U.S.A. E-mail: steve_clouse@ncsu.edu. Equal Opportunity Employer.

POSTDOCTORAL/SENIOR RESEARCH ASSOCIATE position for individual interested in motor systems. Start date: May to November 2002. We use electrophysiological and molecular approaches to study spinal circuits and the pyloric CPG. The successful candidate will possess a strong background in neurophysiology and either experience or interest in molecular biology. For more details, see website: http://biology.gsu.edu/ depart/faculty/baro.htm. Send curriculum vitae and the e-mail addresses of three references to: Dr. Deborah Baro; e-mail: biodjb@langate.gsu.edu.

POSTDOCTORAL POSITIONS are available immediately to study functions of Icap 1 (*JCB* 138: 1149; *JBC* 277:8140) through biochemical and transgenic approaches and characterize a new oncofetal itegrin ligand (*Cancer Res.* 60:6744). The successful candidate must have a Doctoral degree, strong self-motivation, and be innovative. Send curriculum vitae and three references to: Dr. David D. Chang, Department of Medicine, University of California, Los Angeles, Los Angeles, CA 90095. E-mail: ddchang@mednet.ucla.edu.

POSTDOCTORAL POSITIONS available, Division of Immunology, Stanford University, to study transcriptional regulation of chemokine RANTES, characterization of granulysin lytic protein, and signaling in tolerance. Send curriculum vitae, research interests, and names of three references to: Alan Krensky, M.D., Professor, Department of Pediatrics, 300 Pasteur Drive, Stanford University, Stanford, CA 94305-5164. E-mail: krensky@ stanford.edu; FAX: 650-498-6077.

POSITIONS OPEN

ANIMAL PHYSIOLOGIST

The Department of Biology, College of Charleston, invites applications for a one-year position as a visiting ASSISTANT PROFESSOR. We seek a broadly trained Comparative Animal Physiologist to fill a vacancy created by the retirement of a senior faculty member. The Biology Department will conduct a search for a permanent replacement in a tenure-track position during the academic year 2002-2003. Candidates must possess a Ph.D. Teaching responsibilities will include the lecture and laboratory components of general and comparative animal physiology. The College of Charleston is a public liberal arts and sciences institution of 10,000 students. The College's primary goals are teaching and research excellence. In addition to its undergraduate programs, the Department offers M.S. degrees in marine biology and environmental studies. Information about the Biology Department is available at website: http://www.cofc.edu/ ~biology/. Applicants should submit curriculum vitae, statement of teaching and research interests, and three letters of reference by 15 May 2002 to: Chair, Department of Biology, Animal Physiologist Search Committee, College of Charleston, Charleston, SC 29424. The College of Charleston is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

POSTDOCTORAL POSITIONS open to study cell biology of host-pathogen interactions. Areas of investigations include (1) regulators of intracellular trafficking, organelle biogenesis, and organellar function in the context of infections in cystic fibrosis and tuberculosis; and (2) bacterial virulence factors interfering with organellar function and their biogenesis of the host cell. The applicant should have a Ph.D. in cell biology, microbiology, biochemistry, or equivalent disciplines. University of New Mexico School of Medicine is an institution with outstanding intellectual and physical resources situated in the beautiful northern New Mexico with low cost of living and easy access to national parks, skiing, and various outdoors activities. Send your applications to: Dr. V. Deretic, Professor, Department of Molecular Genetics and Microbiology, University of New Mexico Health Sciences Center, 915 Camino de Salud, N.E., Albuquerque, NM 87131 U.S.A. Telephone: 505-272-0291; FAX: 505-272-6029.

Two **POSTDOCTORAL/RESEARCH ASSO-CIATE** positions available immediately in the Center for Cell and Gene Therapy at Baylor College of Medicine to study tumor immune therapy and gene therapy or HIV gene therapy (*Nature* 385:78, 1997; *Nature Biotech.* 15:46, 1997; *PNAS* 94:11567, 1997; *Nature Medicine* 3:1110, 1997). Experience in immunology, molecular biology, and animal models is desired. Interested applicants (Ph.D. or M.D.) should forward their curriculum vitae and names of three references to:

Dr. Si-Yi Chen Center for Cell and Gene Therapy, N1004 Department of Molecular and Human Genetics Baylor College of Medicine Houston, TX 77030 FAX: 713-798-1230 E-mail: sychen@bcm.tmc.edu

POSTDOCTORAL POSITION in molecular immunology available immediately to study the selective recruitment of lymphocytes, particularly gamma/ delta T cells, into tissues and the functional differences that exist between subsets of these cells using cDNA arrays and SAGE. Ph.D. and/or M.D. in biomedical discipline required. Applicants must have cellular immunology and (preferably) molecular biology experience and ability to design appropriate experiments and write manuscripts. Send a letter of application, curriculum vitae, and have three letters of reference sent to: Dr. Mark Jutila, Professor, Veterinary Molecular Biology, Montana State University, Bozeman, MT 59717-3610. FAX 406-994-4303; e-mail: uvsmj@montana.edu. Americans With Disabilities Act/ Affirmative Action/Equal Opportunity/Veteran's Preference.

POSITIONS OPEN

POSTDOCTORAL POSITION Beth Israel Deaconess Medical Center Harvard Medical School

The Immunobiology Research Center at Beth Israel Deaconess Center, Harvard Medical School, in Boston, Massachusetts, is recruiting three Postdoctoral Fellows for a period of two to three years. This position is available immediately to work on a project led by Miguel P. Soares and Fritz H. Bach. The project relates to basic mechanisms regulating inflammation and apoptosis at the level of the vascular endothelium and in other cells, more specifically to cellular/molecular mechanisms underlining the antiapoptotic and anti-inflammatory effects of heme oxygenase-1 and its products (see Soares et al., Nat. Med. 4:1073, 1998; Brouard et al., Journal of Experimental Medicine 192:1015, 2001; Brouard et al. Journal of Biological Chemistry, in press). Experience in molecular biology and biochemistry is required. Salary will depend on the candidate's previous experience and will be set according to the ranges of the Beth Israel Deaconess Medical Center. Interested candidates should send their applications with curriculum vitae as well as the names and addresses of three references to the address below:

Ms. Julienne M. Carty Immunobiology Research Center Beth Israel Deaconess Medical Center Harvard Medical School 99 Brookline Avenue, Boston, MA 02215 E-mail: jcarty@caregroup.harvard.edu Telephone: 617-632-1199 FAX: 617-632-1198

The Beth Israel Deaconess Medical Center, Harvard Medical School, is an Equal Opportunities Employer.

POSTDOCTORAL RESEARCH FELLOWSHIP POSITION Immunology

A Postdoctoral Research Fellowship position is immediately available at the National Institute for Occupational Safety and Health (NIOSH). Available areas of study include (1) immunoregulation of antimycobacterial host defense and in vitro tuberculosis diagnostics; and (2) immunopathogenesis and noninvasive monitoring of respiratory and systemic inflammation in occupational respiratory diseases, particularly asthma. Applicants should possess a strong background in immunology, molecular biology, and laboratory experimentation. Minimal stipend: \$45,285 per annum. Interested candidates should send their curriculum vitae, brief description of research, and names/telephone numbers of three references to: David N. Weissman, M.D., National Institute for Occupational Safety and Health, HELD/ASB/ Mail Stop L-4218, 1095 Willowdale Road, Morgantown, WV 26505. E-mail: dweissman@ cdc.gov. CDC/NIOSH is an Equal Opportunity Employer.

POSTDOCTORAL/INSTRUCTOR POSI-TION available immediately in smooth muscle functional genomics laboratory. Specific training, expertise, and/or interest in cellular electrophysiology or sharp microelectrode recording techniques are highly desirable. You will have the opportunity to work with a multidisciplinary team of NIH-funded Scientists and clinicians. We are currently studying vascular and visceral smooth muscle cell physiology/function/ dysfunction at the genetic, cellular, and tissue level as well as in vivo. Both human tissue and appropriate animal models of disease are employed. This is an extraordinary translational research opportunity. Please send a letter of interest, curriculum vitae, and contact information for three references to: George J. Christ, Ph.D., Professor of Urology and of Physiology and Biophysics, Ben Marden Distinguished Scholar of Urology, Director of the Institute for Smooth Muscle Biology, Room 744 Forchheimer Building, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, NY 10461. The Albert Einstein College of Medicine of Yeshiva University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION Developmental Neuroscience

A position is available to study the genetic basis of neuronal diversity and patterning in the vertebrate nervous system. We focus on the retina and the sensory ear epithelia in zebrafish. A combination of forward and reverse genetic approaches is used to identify factors involved in the specification, differentiation, and patterning of neurons. Among forward genetic strategies, we use morphological, immunohistochemical, and behavioral mutagenesis screens followed by positional cloning (Trends in Neurosciences 2000; Nature Genetics 2002). Recently, this strategy has benefited from the genome project. Reverse ge-netic analysis relies on a large-scale *in situ* screening of embryonic expression patterns. Genes identified in these experiments are subsequently studied using several approaches including recent variants of antisense technology. Send curriculum vitae, reprints, and names of three references to: Dr. Jarema Malicki, Harvard Medical School/MEEI R513, 243 Charles Street, Boston, MA 02114. Website: http://www.howelaboratory.harvard.edu/ malicki.htm. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCI-ATE position is available in the Molecular Genetics Division of our Musculoskeletal Disease Center for work on identification of candidate genes involved in peak bone density and bone formation response to mechanical force. Our Scientists use state-of-the-art equipment in the collaborative environment of our molecular genetics and gene therapy laboratories. This position requires a Ph.D. in molecular biology or molecular genetics. Salary and benefits are competitive with the possibility of a long-term position.

Send curriculum vitae with cover letter, salary requirements, and names/e-mail addresses of three references to: Carol Farrell, Human Resources Manager, Loma Linda Veterans Association for Research and Education, P.O. Box 11238, San Bernardino, CA 92423-1238. E-mail: hrm@llvare. org. Equal Employment Opportunity/Affirmative Action Professional Employer.

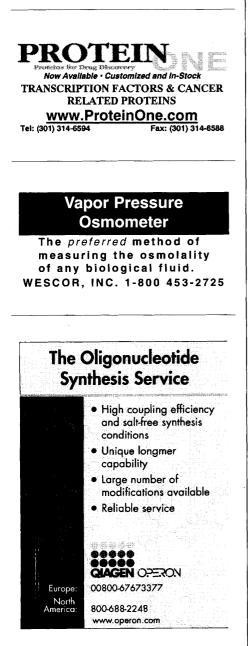
An NIH-funded POSTDOCTORAL POSI-TION is available immediately to study the role of the retinoblastoma-related protein p130 during the cell cycle, quiescence, and differentiation in normal and transformed cells. Highly motivated individuals are encouraged to apply. Applicants must have a recent Ph.D. and expertise in molecular biology. Curriculum vitae including at least an international peer-reviewed publication is also required. Send curriculum vitae, statement of research interests, and the names of three references to: Dr. Xavier Grana, Fels Institute for Cancer Research, Temple University School of Medicine, 3307 North Broad Street, Philadelphia, PA 19140. FAX: 215-707-5562; e-mail: xavier@temple.edu. Temple University is an Equal Opportunity/Affirmative Action Employer/Minorities/Females/ Disabled/Veterans.

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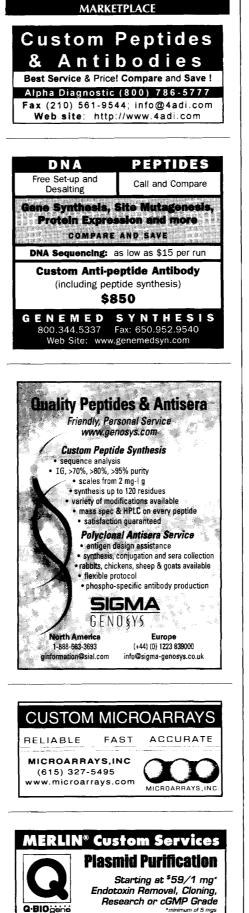
POSTDOCTORAL POSITIONS are available immediately to study the molecular and cellular mechanisms underlying drug addiction and schizophrenia. Recent graduates with training in electrophysiology are encouraged to apply. Send curriculum vitae and references to: Wei-Xing Shi, Ph.D., Yale University School of Medicine, 333 Cedar Street, P.O. Box 208066, New Haven, CT 06520. Email: wei-xing.shi@yale.edu.

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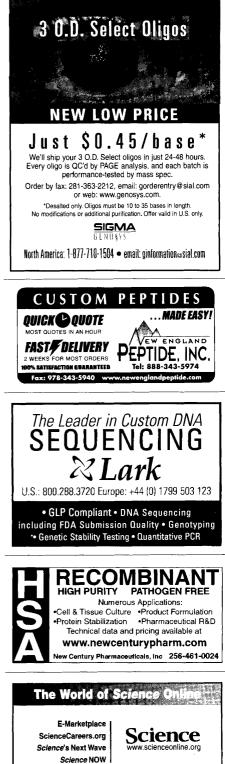




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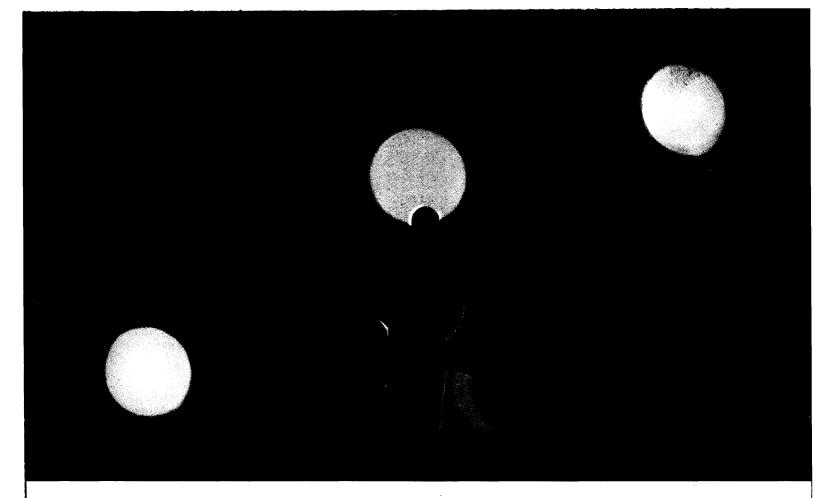
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