

NEW PRODUCTS

starQuiz cosmicsoft

Hortonville, WI

\$19.95

www.cosmicsoft.net

POP QUIZ

starQuiz is a software product that allows instructors to design and give simple tests and quizzes to students. The program has recently been updated to operate under the

new Mac OS X operating system and will also work on Windows computers. The software, which was designed in RealBasic, has a very uncluttered and intuitive graphical interface that encourages instructors to learn to use the program to design tests.

The program's main screen offers four choices: (i) create a new quiz, (ii) edit an existing quiz, (iii) take a test, and (iv) analyze test results. Three types of questions can be created in the package: multiple choice, typed answers (fill in the blanks), and essay format. The program will grade multiple-choice questions, but, for obvious reasons, the instructor must grade nonuniform formats, such as essays. The program's design allows pictures to be included in questions, if desired.

Other features allow addition of online computer help to each question and explanations of why a student's answer was wrong. Time limits on quizzing can also be set. The quizzes can be arranged to give questions to students in a random order, but unfortunately that feature is the most advanced function in the program. After the instructor creates a quiz, students take it on their computers. Students can see their results of the computer-graded part of the quiz as soon as they finish it. The results of testing can be viewed either individually or cumulatively by the instructor and can be displayed onscreen or printed. A student report is easily generated by the program.

starQuiz's simple design has obvious strengths in that it encourages use by beginners, but it also has its weaknesses. The latter include an overly simplistic format that does not meet important needs of instructors developing tests on computers. At a minimum, modern testing software should provide the ability to create banks of questions that are delivered in subsets to students, sophisticated grading or performance analysis, and simple networking and security functions for delivery. Though starQuiz's price (\$19.95) is very attractive, it is unlikely that college- or university-level instructors will be happy with the program until it is enhanced.

—Satyam Priyadarshy

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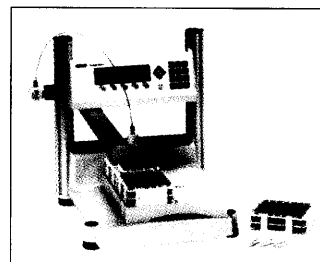
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CONTINUED ON PAGE 1893

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management, and engineering, and can be used to uncover hidden trends and explain known patterns. Neural Networks version 6 offers a comprehensive selection of neural network architectures, algorithms, sampling methods, and analytical graphs. Intelligent problem solvers and automatic wizards make the program intuitive. Among its new features are comparative results from multiple models, a powerful feature designed to simplify comparing models in a single spreadsheet or plotting the response curves of several models on one graph.

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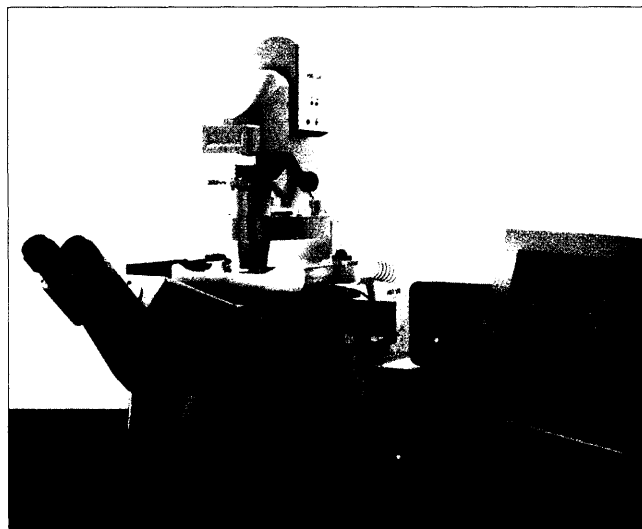
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LITERATURE

BioVision: Innovative Tools for Apoptosis & Cell Signaling Research is a catalog that features assays that detect apoptosis at different stages and in different areas of the

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POSITIONS OPEN

VIRGINIA COMMONWEALTH UNIVERSITY

Division of Hematology/Oncology
Richmond, Virginia

The Division of Hematology/Oncology is seeking to recruit a faculty position at the rank of **ASSISTANT PROFESSOR** working in the areas of IRF-1 and IRF-2 and their role in gene regulation and tumor suppression, posttranslational modification of BAD, and related Bcl-2 family members.

Qualifications: The successful candidate will have a Ph.D. degree and at least seven years of postdoctoral research experience utilizing advanced molecular techniques. He/she will also have prior published experience working in the areas of IRF-1 and IRF-2 and their role in gene regulation and tumor suppression as well as posttranslational modification of BAD and related Bcl-2 family members. The incumbent must also have an extensive publication record including publications in *Cell*, *Nature*, *Science*, *Molecular Cell*, *PNAS*, and *JBC* as well as the ability to train others in conducting studies involving advanced molecular biology techniques.

Application process: Interested applicants should forward curriculum vitae and three reference letters to: **Gordon Ginder, M.D., Massey Cancer Center, P.O. Box 980037, Richmond, VA 23298-0037. E-mail: gdginder@vcu.edu**. Application deadline is July 15, 2002.

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

FACULTY POSITIONS

The Institute of Atomic and Molecular Sciences, Academia Sinica, invites qualified candidates to apply for tenure-track **RESEARCH FELLOW POSITIONS** in the following research fields: experimental atomic physics, surface science, biophysical science, nanoscience, theoretical molecular dynamics, and ultrafast and high-field optics. Please visit **website: <http://www.iam.s.sinica.edu.tw>** for detailed academia activities of the Institute.

Successful candidates must show excellent academic achievements and abilities to establish a successful research program within the Institute in the above research fields. Collaborations with other Research Fellows are strongly encouraged. Interested applicants should send full curriculum vitae by air mail including a list of publications, a research proposal, and at least three letters of recommendation to: **Dr. Chi-Kung Ni, P.O. Box 23-166, Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan. E-mail: ckni@po.iam.s.sinica.edu.tw; FAX: 886-2-2362-0200**. To ensure timely processing, all application materials must be received by July 31, 2002.

UNIVERSITY OF FLORIDA

The Division of Nephrology at the University of Florida is seeking applicants for the Central Florida Kidney Center **EMINENT SCHOLAR** position. Applicants must have an established, nationally prominent program in basic science or clinical investigation. The successful candidate will be expected to develop an independent research program competitive for extramural funding. Generous start-up funds, laboratory space, and protected time are available. The environment offers outstanding core facilities and extensive opportunities for collaboration in both basic and clinical investigation. A clinical background is not an essential requirement. Salary and benefits commensurate with experience. This is a tenure-track position. Recruiting deadline date: July 15, 2002. Anticipating start date: October 1, 2002. Interested applicants should submit curriculum vitae and three letters of recommendation to: **Stephen L. Gluck, M.D., Chief, Division of Nephrology, Hypertension, and Transplantation, University of Florida, College of Medicine, Box 100224, 1600 S.W. Archer Road, Gainesville, FL 32610-0224. An Equal Opportunity/Affirmative Action Employer.**

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Affirmative Action/Equal Opportunity/Americans With Disabilities Act. Women and members of minority groups are encouraged to apply.

ASSISTANT/ASSOCIATE PROFESSOR Primate Reproductive Biology

This position is available at the Center for Research in Reproductive Physiology within the Department of Cell Biology and Physiology, University of Pittsburgh School of Medicine. The successful candidate will join a team of Reproductive Biologists who are utilizing molecular, cellular, and system approaches in nonhuman primate models in order to gain an integrative understanding of the physiology and pathophysiology of human reproduction. Qualified candidates will have a Ph.D. in biomedical science or related field and have at least three years of training at the postdoctoral level. Experience with *in vivo* studies of nonhuman primates is essential. The position will also require skills at the administrative level because the successful candidate will serve as Director of the Primate Core of a NICHD-funded SCCPR Center. The successful candidate will also be expected to develop his or her own independent research program within the Center. Areas that we are interested in strengthening include endocrine disruptors, stem cell (spermatogonial) renewal, and ovarian cell biology. Exceptionally qualified candidates will be considered for a tenure-track position in the Department of Cell Biology and Physiology. Please send curriculum vitae, cover letter with research plans, and the names of three references to: **Tony M. Plant, Ph.D., University of Pittsburgh School of Medicine, S-828A Scaife Hall, Pittsburgh, PA 15261. E-mail: plant1@pitt.edu**. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

JUNIOR RESEARCH FACULTY Department of Pediatrics Case Western Reserve University

The Department of Pediatrics seeks an Instructor-level faculty member capable of performing research to determine the role of human T cells and B cells in the host response to bacterial conjugate vaccines. Must have a Ph.D. and at least three years of experience in computer assisted Elispot, human T cell and B cell functional assays, antigen processing, polysaccharide antibody titers, and human immunization trials. Send curriculum vitae, and three references to: **Dr. John Schreiber, Department of Pediatrics, Case Western Reserve University, Rainbow Babies and Children's Hospital, 11100 Euclid Avenue, Cleveland, OH 44106. E-mail: jrs3@po.cwru.edu**. CWRU is an Equal Opportunity/Affirmative Action Employer.

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Cardiovascular Biology

A postdoctoral position is available to study the enzymology and biology of tyrosine sulfation, a post-translational modification mediated by one of two tyrosylprotein sulfotransferases (TPSTs) in the mammalian genome. A small set of proteins is known to undergo tyrosine sulfation and require tyrosine sulfation for function, including certain adhesion molecules and chemokine receptors. Our lab focuses on studies to determine the substrate preferences and catalytic mechanism of TPST-1 and TPST-2 and on in vivo studies of *TPST1*^{-/-} and *TPST2*^{-/-} mice. The later studies are designed specifically to assess the function of chemokine receptors in TPST-deficient mice and more generally to assess the complexity of the substrate repertoire of this enzyme system and how these two isoenzymes interact in biological systems. Experience in molecular biology, cell biology and/or biochemistry are desirable. Applicants must have a Ph.D. and/or M.D. Please send a CV, summary of research experience and interests and three references to: **Kevin Moore, M.D., Oklahoma Medical Research Foundation, 825 NE 13th Street, Oklahoma City, OK 73104. FAX: 405-271-7417; email: Kevin-moore@omrf.ouhsc.edu**

Molecular Immunogenetics

A postdoctoral position is available immediately to utilize molecular and transgenic approaches in the study of mature B cell differentiation and immunity in mice and humans. The successful candidate should have a PhD and a strong background in molecular biology and immunology. Experience with mouse gene targeting/transgenics is preferable. Qualified applicants should send curriculum vitae, a brief statement of research interests, and three references to: **Patrick C. Wilson, PhD., Molecular Immunogenetics Program, Oklahoma Medical Research Foundation, Oklahoma City, OK 73104. email: patrick-wilson@mail.omrf.ouhsc.edu**

Molecular Immunogenetics

A postdoctoral position is immediately available in the Molecular Immunogenetics Program examining the properties of lipid rafts in T cell signaling. Our research employs state of the art fluorescence imaging techniques to measure lipid rafts in situ. Projects include determining the signals and mechanisms underlying targeting of lipid rafts to immune synapses and their association with the actin cytoskeleton. A Ph.D. in the biological sciences is required, and individuals with experience in cell biology, biochemistry, or immunology are particularly encouraged to apply. At least one position is available with a minimum appointment of 3 years. **Contact Bill Rodgers, Ph.D. email: william-rodgers@omrf.ouhsc.edu**

Free Radical Biology and Aging

A postdoctoral position is available immediately to study the role of microglia in neurodegenerative disease. Our laboratory is currently identifying mechanisms by which microglia become activated by pro-inflammatory cytokines within the spinal cord and motor cortex of transgenic mice expressing mutant human superoxide dismutase (SOD1), which causes heritable forms of amyotrophic lateral sclerosis. Other projects assess the role of microglia and glial-neuronal interactions in Alzheimer's disease, Parkinson's disease and Huntington's disease. Long-term goals of our laboratory include the identification of novel biochemical pathways involved in neurodegeneration, and development of new therapeutic strategies for manipulating these pathways. The successful applicant will have an interest in both basic and applied research, combined with practical experience in cell biology, protein chemistry or molecular biology. Experience with organic or medicinal chemistry is preferred but not essential. Initiative, creativity, and intellectual independence will be encouraged. Please send curriculum vitae, a statement of postdoctoral goals, and three references to: **Kenneth Hensley, PhD, Free Radical Biology and Aging Research Program, Oklahoma Medical Research Foundation, 825 NE 13th Street, Oklahoma City, OK 73104; Email Kenneth-Hensley@omrf.ouhsc.edu**



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The University of Hong Kong is a leading international comprehensive research university in the Asia-Pacific region, with more than 100 teaching departments and sub-divisions of studies and learning, and over 60 research institutes and centres. There is currently an enrolment of some 17,000 students (6,500 at postgraduate level). Research students are from more than 48 countries. The medium of instruction is English. The University is committed to the pursuit of international academic standards, and excellence in scholarship as well as research.

Professor: Chair of Physics

Applications are invited for appointment as Professor: Chair of Physics in the Department of Physics (Ref: RF-2001/2002-364), tenable from September 1, 2002 or as soon as possible thereafter. The appointment will initially be made on a fixed-term basis of three years, with the possibility of renewal, or substantiation under special circumstances.

The Department of Physics aspires to become the top research department in Asia and an outstanding one internationally. Apart from commitment to teaching excellence, members of the Department are engaged in active research in many areas of physics. For details, please visit <http://www.physics.hku.hk/>. The Department has excellent research facilities and resources and is supported by a dedicated team of experienced research and technical staff.

Applicants should have a distinguished international reputation with a substantial research record in condensed-matter physics. Strong academic qualifications, including a doctoral degree, and extensive teaching experience are essential. Applicants should also be able to demonstrate a commitment to teaching and curriculum development.

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Further particulars and application forms (272/302 amended) can be obtained at <https://extranet.hku.hk/apptunit/>; or from the Appointments Unit (Senior), Human Resource Section, Registry, The University of Hong Kong, Hong Kong (fax: (852) 2540 6735 or 2559 2058; e-mail: apptunit@reg.hku.hk). Closes 31 July 2002.

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RESEARCH FELLOW Transplant Biology Program Rochester, Minnesota, U.S.A

A postdoctoral research position is available in the laboratory of Dr. Amy Tang of the Transplant Biology Program at Mayo Clinic in Rochester, Minnesota, (ref Cell 90:459-467, 1997; *Genetics* 148:277-286, 1998; *Development* 128:801-813). Applicants must have a Ph.D. and/or M.D. and should have experience in the fields of signal transduction, molecular biology, biochemistry, genetics, or pharmacogenomics. Experience with *Drosophila*, forward and reverse genetic screens, and mutant analyses is highly desirable.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment. For further information please visit <http://www.mayo.edu/research/>.

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

Dr. Amy Tang
Transplantation Biology
Medical Sciences 2-85
Mayo Clinic, 200 First Street SW
Rochester, MN 55905
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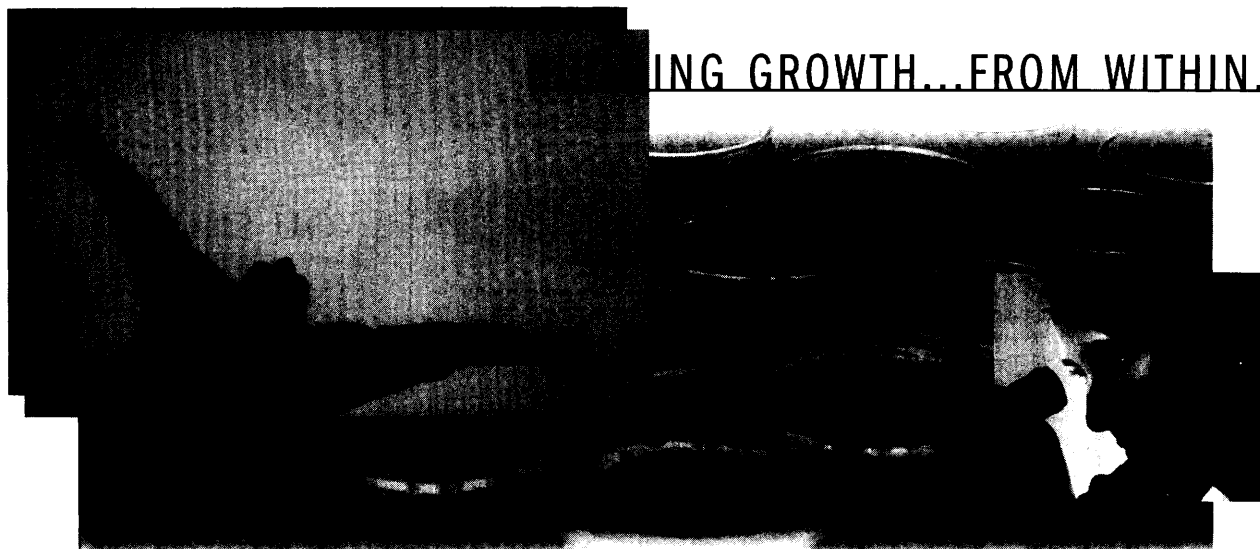


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A PhD or other doctoral degree in the biomedical sciences is required, along with strong knowledge of molecular biology and recombinant DNA (knowledge of virology a plus); successful completion of a postdoctoral fellowship, plus a minimum of 1 year additional experience in the academic, pharmaceutical, biotechnology, or governmental (e.g. NIH Intramural Program) arenas. Candidates must have superior oral communication and high-level writing skills coupled with extraordinary skills at presenting data in a clear and compelling graphical manner, strong interpersonal skills, and must be comfortable interacting with a large number of scientists from the level of senior investigator to undergraduate student.

Applicants should submit a curriculum vitae and detailed cover letter describing their interest in the position, along with 2 samples of their best writing to: **Administrator, Institute of Genetic Medicine; Box 96, Room S-1000; Weill Medical College of Cornell University; 1300 York Avenue; New York, NY 10021.** E-mail to geneticmedicine@med.cornell.edu. EOE/AA/M/F/D/V

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BIOCHEMIST/ENZYMOLOGIST

Kalamazoo, Michigan

Working as a member of an interdisciplinary team in early discovery research, you will be responsible for the development of enzyme assays, the elucidation of enzyme kinetic mechanisms, and the quantitative evaluation of enzyme inhibitors. Requires an MS in Biochemistry or closely allied discipline, with a strong background in steady-state and presteady-state enzyme kinetics and protein purification. Candidates with a BS and closely related experience will be considered. Working knowledge of HPLC, spectrophotometry, fluorometry, and computer nonlinear regression techniques are desired. **Req. #016905**

SR. RESEARCH SCIENTIST

St. Louis, Missouri

As an expert in *in vivo* glucose metabolism and diabetes, you will identify and validate new targets for antidiabetic therapy. In addition, you will design/execute experiments, supervise technical staff, interpret data and prepare summaries of data for presentation. Requires a PhD in Physiology or related field (or MD with research experience in insulin resistance) and 2-3 years postdoctoral experience. Experience with experimental approaches to measure insulin action and glucose metabolism in rodents (euglycemic-hyperinsulinemic clamp technique), and working knowledge of rodent models of insulin resistance and Type 2 diabetes are necessary. **Req. #016802**

SR. RESEARCH SCIENTIST/PROTEIN BIOCHEMIST

St. Louis, Missouri

You will design and implement high throughput protein variant construction, expression, purification and characterization methods to support crystallization and other studies. Working with multiple groups, you will develop methods and generate data to impact project timelines, specifically to enable protein-inhibitor co-crystallization early in the hit-to-lead process. Requires a PhD in Molecular Biology or Biochemistry with protein biochemistry and lab automation experience. Extensive knowledge in heterologous protein expression, protein biochemical and functional analysis is essential. Experience in automation of protein expression, purification, and analysis is preferred. **Req. # 016856**

SR. RESEARCH SCIENTIST/MOLECULAR BIOLOGIST

St. Louis, Missouri

You will work in the area of Nuclear Receptors to elucidate the mechanism of action of ligand-dependent nuclear receptor activity. This position requires expertise in techniques used to study these receptors, including cell-based transfection assays, two-hybrid assays, biochemical protein-protein interactions, protein-DNA interactions, and promoter analysis. Requires a PhD in Molecular or Cell Biology, Biochemistry or related field and 2+ years of nuclear receptor experience. Knowledge of the molecular mechanisms involved in nuclear receptor function and the biology of steroid receptors and/or orphan receptors involved in lipid metabolism/inflammation/CNS/oncology is required. **Req. #016855**

SR. RESEARCH SCIENTIST/MOLECULAR BIOLOGIST

St. Louis, Missouri

You will support the discovery, cloning and characterization of genes for various drug discovery projects across therapeutic areas. Your responsibilities will include multiple projects requiring full-length cloning and gene characterization support and supervising personnel work. Requires a PhD with 3 or more years of experience in a molecular biology/genomics lab setting, or an MS with 8+ years of experience. Experience in RNA isolation, cDNA library construction, expression cloning, plasmid DNA purification and sequencing, PCR and RT-PCR, hybridization, full-length cloning, nylon macro-arrays, and automation is required. Knowledge of bioinformatic tools for data mining and sequence analysis is also required. **Req. #016857**

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PHARMACIA

Transgenic Research Manager Cancer Research Using Transgenic Models

Applications are invited from qualified individuals for an established post as Transgenic Research Manager in a Unit based at a major UK research institute. The post will suit an experience researcher wishing to combine hands-on research work with the management of a support service. The post-holder will (a) participate in a research programme using 'knock-out' and transgenic mouse models to investigate the relationship between genetic instability and cancer predisposition, and (b) to manage a transgenic service, supervising two technical staff involved in service provision.

The post-holder is expected to provide high-level support to the research, reflected in authorship of scientific publications. The service role will take up no more than 50% of the post-holder's time. A world-class research, environment with all necessary instrumentation, a well-managed rodent facility, and adequate technical support, already exists.

Applicants must have at least three years' experience of research using transgenic mouse models, with expertise in one or more of the following areas: molecular cell biology techniques related to transgenesis, targeted gene disruption in embryonal stem cells, embryo manipulation. Applicants must hold or be eligible to hold a personal licence for relevant procedures under the current legislation. Sufficient knowledge of animal husbandry will be required.

Preference will be given to applicants with extensive experience and detailed knowledge of a wide range of relevant techniques, preferably acquired during doctoral studies or post-doctoral appointments, and marked by a good record of scientific publication. Less experienced applicants with demonstrated accomplishments relevant to the post are also encouraged to apply, as training will be provided where necessary.

The starting salary is likely to be in the region of £20,320 - £35,000 per annum based on experience and qualifications, and is supported by a flexible pay and reward system, group pension scheme and generous holiday entitlement. Some assistance with removal expenses will be available.

Applications should include a full CV with details of two professional referees who can be contacted prior to interview. Please apply to Rec. 024, Science International, Bateman House, 82-88 Hills Road, Cambridge, CB2 1LQ, UK.

Closing date: 28 June 2002

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Paradigm Genetics, an integrated life sciences company, is a recognized leader in the field of metabolomics, and is seeking highly motivated and successful individuals to join our metabolomics team. Working in our new state-of-the-art facility in Research Triangle Park, NC, we offer our talented professionals the opportunity to develop the products that will redefine the future as we know it. Along with that comes an equally powerful opportunity to build original, inspired careers. All in a day's work. All a part of your future.

All in a day's work.

■ Mass Spectrometry Opportunities

Paradigm Genetics' Metabolomics and Biochemical Profiling group has several positions available for individuals with experience in LCMS and/or GCMS. The successful candidates will have a Master's or a Ph.D. degree in Chemistry, Biochemistry, or a related discipline, with 2-5 years of post-graduate experience in the analysis of organic compounds. Two of the positions also require 2-5 years of proven management skills in addition to excellent technical skills. Industry experience preferred.

Working with tomorrow's science also means enjoying an exceptional compensation/benefits package and all the amenities of the Raleigh/Durham area. Please send your resume, referencing job code and salary history to: **Paradigm Genetics, Human Resources, E-mail: Mass.Spec.Profiling.2002-641@paragen.com**. No phone calls, please. Principals only. EOE M/F/D/V.

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INSTITUTE DIRECTOR

CALIFORNIA NANOSYSTEMS INSTITUTE (CNSI) UCLA

Applications and nominations are invited for the position of Director of the California NanoSystems Institute (CNSI). CNSI is a newly created California Institute for Science and Innovation established by Governor Gray Davis and funded at over \$300 million from the State of California and Industry sponsors. It is hoped that the new Director will take office on September 1, 2002.

As the Chief Executive Officer, the Director provides research and administrative leadership to develop a new model of collaborative research among the faculty of UCLA, UC Santa Barbara, and their research partners in industry, national laboratories, and other universities. The Institute Director will jointly report to the UCLA and UCSB Chancellor's Offices, with primary authority at the UCLA campus.

Candidates should have demonstrated scientific leadership and experience in academic administration in a research university setting; a thorough understanding of federal and corporate funding opportunities; a distinguished scientific record; demonstrated experience in the development of collaborative research ventures; and sensitivity to the research needs of the wide variety of disciplines represented at major research universities. Candidates must have the academic credentials to qualify for a tenured appointment at UCLA. Salary will be commensurate with background and experience.

To view the ad in its entirety, please go to: <http://www.apo.ucla.edu/cnsi-director> and for additional information about the California Nanosystems Institute, please go to: <http://www.cnsi.ucla.edu/>.

To be ensured full consideration, nominations and applications should be sent by July 1, 2002 to: **CNSI Director Search Committee, c/o Rene Dennis, Office of the Chancellor-APO, University of California, 3109 Murphy Hall - 140701, Los Angeles, CA 90095-1407; Facsimile: (310) 206-9643; E-mail: rdennis@conet.ucla.edu.**

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SOUTHERN ILLINOIS UNIVERSITY
School of Medicine

POSTDOCTORAL FELLOW

SOUTHERN ILLINOIS UNIVERSITY
SCHOOL OF MEDICINE

NIH grant-funded position available immediately to study behavioral, electrophysiological, biochemical, genetic, and immunologic influences on the regulation of sleep during infectious and inflammatory disease in rodent models.

Position requires: 1) the analysis of rodent sleep patterns before and after infectious or inflammatory challenge (including the effects of prior and concurrent sleep loss), 2) breeding, phenotype determination, and genetic linkage analysis of rodents, and 3) biochemical, histologic and other assays to quantify and assess mouse strain differences in gene expression or function, including RNA microarray analysis.

Position requires: Ph.D. degree in a biomedical field and significant relevant laboratory experience. Other essential attributes are self-initiative, a strong work ethic, high standards of quality control, and the ability to work independently. Good writing and data analysis skills are also a plus. Salary commensurate with experience. Send current CV and the names and addresses of three references to:

Richard Herndon, Business Manager
Department of Pharmacology
Southern Illinois University
School of Medicine
P.O. Box 19629
Springfield, IL 62794-9629
rherndon@siumed.edu.

Closing date June 28, 2002 or until filled.

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POSTDOCTORAL POSITION (REQ #1566)

A postdoctoral position is available immediately for a recent Ph.D. graduate to join a productive group studying insulin-like growth factor signaling, and mTOR as a target for cancer therapy (*J. Biol. Chem.* 277: 13907-13917, 2002; *Cancer Res.* 61: 3373-3381, 2001; *Science* 277: 99-104, 1997). The applicant should have sound training in molecular/cell biology or biochemistry. Send a curriculum vitae with names of three references, indicating REQ #1566, to:

Peter J. Houghton, Ph.D.
Department of
Molecular Pharmacology
MS #230
St. Jude Children's
Research Hospital
332 N. Lauderdale Street
Memphis, TN 38105-2794

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Professor and Lecturer

Department of Earth Sciences

Applications are invited from outstanding researchers for permanent (tenured) posts at the Lecturer (Vacancy no. 201) and Professorial (Vacancy no. 200) levels. We have particular interest in the following areas, although applications from particularly strong candidates in other areas will be considered:

1. Marine Palaeoclimatology/Palaeoceanography
2. Basin Analysis/Stratigraphy/Hydrocarbon Exploration
3. Marine and/or Coastal Geology/Sedimentology/Hydrography/Marine Geography

The Department has experienced rapid growth in the past five years and is one of the top-rated Earth Science departments in the UK (5A/RAE2001) having attracted many new faculty from the leading tier of institutions in the UK and internationally. There has been a commensurate and dramatic increase in research income, and an investment of several million pounds in new research facilities (see www.earth.cardiff.ac.uk) including leading edge analytical and computational systems. This is an exciting period of growth, and there is the opportunity for key appointments in three different research areas.

The Palaeoceanography and Palaeoclimatology Research Group works on a range of environmental issues. This research is focused on the causes and scale of ocean and climate variability and the sensitivity of marine environments to naturally occurring climatic perturbations during the recent and geological past. Marine geoscience research in the Department of Earth Sciences is supported by a large number of faculty working on global change problems from a terrestrial perspective. You will be an internationally recognised researcher who will be comfortable with a leading role in this strong and expanding group. You will teach across a range of climatological, surface process, modern and or palaeoceanographic areas as well as in cognate areas within the Earth Sciences.

The Basin Dynamics Research Group is engaged in process-based research into interactions between sedimentation and tectonics, the dynamic stratigraphy of continental margins, structures and fluid flow within basins, and carbonate reservoirs. Interests include sequence and/or seismic stratigraphy, basin analysis/modelling, process sedimentology, clastic reservoir or aquifer geology, earth surface processes. You will teach across a range of the Earth Sciences including soft-rock subject areas, with a fieldwork component. The ability to develop collaborative research projects with industry would be an advantage.

The Marine Geosciences and Geography group in Cardiff carries out research in shallow and deep water seismology, geomorphology, coastal sedimentology, natural hazards, applied hydrography, coastal and offshore engineering and environmental impacts of marine and coastal activities including aggregate dredging. The Group is focused on process-orientated research within the maritime sector. You are likely to have professional experience of marine surveying, mapping, charting, and will carry out a teaching programme including research-led teaching in Earth Sciences and in coastal hydrography and nearshore surveying.

Salary:	Professorial:	Negotiable and nationally competitive within the Cardiff Professorial range £20470 - £32537 per annum
	Lecturer:	

Informal enquiries may be made to the Head of Department,
Professor Adam Schultz on + 44 (0) 29 2087 4284 or email
hod@earth.cardiff.ac.uk

For an application pack and details of all our vacancies, visit
www.cardiff.ac.uk/jobs Alternatively email vacancies@cardiff.ac.uk or
telephone + 44 (0) 29 2087 4017 quoting the relevant vacancy number.

Closing Date: 8 July 2002

DIRECTOR

Center of Applied Science and Engineering Research Academia Sinica, Taipei

Academia Sinica, Taiwan, R.O.C. invites applications and nominations for the position of Director of the Center of Applied Science and Engineering Research (CASER). The initial appointment is for a period of three years (renewable for a second term), and will also carry the title of Research Fellow.

Academia Sinica is the pre-eminent academic institution in Taiwan. It is devoted to basic and applied research in mathematics and physical sciences, life sciences, and humanities and social sciences. Since 1994, under the strong leadership of Nobel Laureate President Yuan T. Lee, the Academy has been positioning itself to move its research activities to the international level. Toward this end, CASER was founded in 1999 to conduct applied science and engineering research, develop platform technologies in strategic areas, promote interdisciplinary research, and establish research alliances between Academia Sinica, academic institutions, and the industrial community. Current research thrusts in CASER include nanoscience and nanotechnology, microelectro-mechanical systems, advanced materials, advanced electronics and optoelectronics, and internet-related technologies. Academia Sinica is presently also planning an international graduate program in "The Science and Technology of Nanostructures" in cooperation with the National Taiwan University and National Tsing Hua University. For details about Academia Sinica and CASER, please consult the website: <http://www.caser.sinica.edu.tw/>.

Interested candidates should have a Ph.D. degree, a distinguished record of academic scholarship, and diverse experience in university and professional service. He/she is expected to pursue a vigorous research program in one of the present intellectual thrusts of the Center or related areas. Resources will be available to reactivate the research program of the Director. The successful candidate will be expected to build on the existing strengths of the Center, develop new research thrusts, recruit outstanding faculty, and promote productive interactions with academic and industrial partners. We are seeking a scientist or engineer with strong leadership qualities and scientific vision, outstanding communication, administrative and managerial skills, demonstrated ability in managing multidisciplinary research programs, experience in motivating young scientists towards pursuit of excellence in scientific research, and a strong track record of interactions with industry and government laboratories.

CASER encourages both applications and nominations, which should include a full curriculum vitae, together with a publication list, and three letters of recommendation, to be submitted to **Chair, Director Search Committee, Center of Applied Science and Engineering Research, 128 Academy Road Section 2, Nankang, Taipei, 115, Taiwan**. Screening of applications/nominations will begin immediately, and will continue until the position is filled.

DIRECTOR

Institute of Molecular Biology Academia Sinica, Taipei

Academia Sinica, Taiwan, R.O.C. invites applications and nominations for the position of Director of Institute of Molecular Biology (IMB). The initial appointment is for a period of three years (renewable for a second term), and will also carry the title of Research Fellow.

Academia Sinica is the pre-eminent academic institution in Taiwan. It is devoted to basic and applied research. IMB is presently one of the showpieces of Academia Sinica in terms of academic quality, scientific productivity, and the impact of its research programs. The Institute is well funded and equipped with modern research facilities. For details about Academia Sinica and IMB, please consult the website: <http://www.sinica.edu.tw/imb>.

Interested candidates should have a Ph.D. degree, a distinguished record of academic scholarship, and diverse experience in university and professional service. He/she is expected to pursue a vigorous research program in an area of modern molecular biology, cell and developmental biology, neurobiology, and functional genomics. The successful candidate will be expected to build on the existing strengths of the Institute, develop new research thrusts, promote basic life sciences and provide intellectual leadership in basic and applied life sciences in Taiwan.

Applications and nominations, including a full curriculum vitae, a publication list, and three letters of recommendation, should be submitted to **Sunney I. Chan, Vice President, Academia Sinica, 128 Academy Road Section 2, Nankang, Taipei, 115, Taiwan**. Screening of applications/nominations will begin immediately, and will continue until the position is filled.

GLENMARK PHARMACEUTICALS LTD. is a \$50 million Indian pharmaceutical company with leadership status in niche segments like dermatology, diabetology and internal medicine. The Company's business spans 27 countries ranging from Asia to Europe and is constantly expanding through a host of alliances and joint ventures. In order to successfully meet the challenge of the post GATT patent era, Glenmark has recently established a state-of-the-art research centre to exclusively generate intellectual property for its future growth. The company runs research programs in diabetes and asthma and needs the following scientists in biology to lead the effort:-

PRINCIPAL RESEARCH SCIENTISTS MOLECULAR PHARMACOLOGY

The candidate should be Ph.D. in Molecular Pharmacology/Biochemistry or Biotechnology with 5 years of research experience in drug discovery or 5-7 years Post-Doctoral experience from a reputed university with the following credentials:

- Validation of therapeutic targets for screening of compounds employing biochemical and functional assays.
- Expertise in receptor and enzyme kinetics and thorough knowledge of in-vitro screening technologies.
- Excellent understanding of signal transmission pathways.

IN-VIVO PHARMACOLOGY

The Candidate should be Ph.D. or equivalent in Pharmacology, Physiology or Veterinary Medicine with 5 years of research experience in drug discovery or 5-7 years Post-Doctoral experience from a reputed university with following credentials:

- Thorough knowledge of animal models in therapeutic areas of inflammation/metabolic disorders
 - Well conversant with in-vivo screening and safety pharmacology
- Candidates should have complete understanding of the drug discovery process and should be able to track the progression of compounds through different phases of development. Attachment of two reference letters will be preferable for candidates working with Universities.

We offer a world-class research environment, which values innovation and creativity. If you recognize yourself in our profile above, please forward your resume to:

GLENMARK RESEARCH CENTRE

Plot No. A - 607, TTC Industrial Area, MIDC, Mahape, Navi Mumbai-400 709.
Tel.: 00-91-22-7902491/92 Fax No. 7902318. Email: hrd@glenmarkindia.com OR
Dr.F.G.Kathawala Email: mumbai1@mindspring.com

DIRECTOR

Institute of Botany Academia Sinica, Taipei

Academia Sinica, Taiwan, R.O.C. invites applications and nominations for the position of Director of Institute of Botany (IB). The initial appointment is for a period of three years (renewable for a second term), and will also carry the title of Research Fellow.

Academia Sinica is the pre-eminent academic institution in Taiwan. It is devoted to basic and applied research in mathematics and physical sciences, life sciences, and humanities and social sciences. IB is one of the oldest research institutes in Academia Sinica. It is presently a dynamic and vibrant research center engaged in a diverse spectrum of research activities ranging from basic plant sciences to plant biotechnology. For details about Academia Sinica and IB, please consult the website: <http://botany.sinica.edu.tw>.

Interested candidates should have a Ph.D. degree, a distinguished record of academic scholarship, and diverse experience in university and professional service. The successful candidate will be expected to build on the existing strengths of the Institute, develop new research thrusts, promote basic life sciences and provide intellectual leadership in developing plant sciences in Taiwan. He/she is also expected to pursue a vigorous research program of his/her own in an area of modern plant biology.

Applications and nominations, including a curriculum vitae, a publication list, and three letters of recommendation, should be submitted to **Dr. P. C. Huang, Chair, Search Committee, c/o Office of the Vice President, Room 3202 Administration, Academia Sinica, 128 Academy Road Sec. 2, Nankang, Taipei, 115, Taiwan** (email: jhchang@gate.sinica.edu.tw; FAX: 886-2-2785-3208). Screening of applications/nominations will begin immediately, and will continue until the position is filled.



Genetic Epidemiology
Tenure-Track Investigator
Mood and Anxiety Disorders Program
National Institute of Mental Health
Bethesda, MD, USA

The Section on Developmental Genetic Epidemiology, Experimental Therapeutics and Pathophysiology Branch in the Mood and Anxiety Disorders Program at the National Institute of Mental Health, Intramural Research Program, is recruiting a scientist for a tenure-track position to develop research in genetic epidemiology in a new cross-institute program in neurogenetics. The candidate will have the opportunity for collaboration with scientists in diverse research areas in genetics (i.e., genetic epidemiology, biostatistics, statistical genetics, molecular genetics), as well as neuroscience and relevant clinical disciplines. The candidate should have an M.D. or Ph.D. in (1) epidemiology; (2) genetic epidemiology; (3) human genetics; or (4) psychology. In addition, the applicant should demonstrate significant experience in the design, implementation and/or analysis of genetic epidemiologic studies of complex diseases. This position includes an attractive start-up package and operating budget in an exciting multidisciplinary research environment. Preference will be given to candidates with a background and interest in complex disorders, particularly neuropsychiatric disorders. Applicants should send a curriculum vitae, statement of research interests, and three letters of recommendation to Dr. Kathleen Merikangas (kathleen.merikangas@nih.gov), Search Committee, National Institute of Mental Health, 15 K North Drive, MSC#2670, Bethesda, MD 20892, by November 1, 2002.

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**Diabetes Unit, Laboratory of Clinical Investigation,
National Center for Complementary and Alternative Medicine, NIH**

Postdoctoral Positions in Laboratory and/or Clinical Research

Laboratory investigations focus on insulin signal transduction as it relates to metabolic and vascular actions of insulin (see *JBC* 276:30392-30398, 2001; *JBC* 276:3543-3549, 2001; *Circulation* 101:1539-1545, 2000). Several positions are available for scientists with M.D. and/or Ph.D. degrees and less than five years of postdoctoral experience. Molecular and cellular biology experience and a strong publication record are essential.

Clinical investigations focus on the role of insulin to regulate the inter-relationship between metabolic and hemodynamic homeostasis (see *J. Clin. Endocrinol. Metab.* 85:2402-2410, 2000; *J. Clin. Endocrinol. Metab.* 86:5457-5464, 2001; *Circulation* 100:820-825, 1999). Future studies will explore areas relevant to complementary and alternative medicine approaches for the treatment of diabetes, obesity, and cardiovascular diseases. A position is available for a physician-scientist with clinical research experience.

The Laboratory of Clinical Investigation, NCCAM provides state-of-the-art research facilities in the intramural program at NIH in addition to a collegial and nurturing working environment. Please forward your CV, bibliography, list of three references, and a cover letter stating your scientific interests and experience to:

Michael J. Quon, M.D., Ph.D.
Chief, Diabetes Unit, LCI, NCCAM
National Institutes of Health
Building 10, Room 8C-218
10 Center Drive MSC 1755
Bethesda, Maryland 20892-1755
Fax (301) 402-1679
Email: quonm@nih.gov

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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:

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- **Cell Biology**
- **Immunology**
- **Psychophysics**
- **Biochemistry**
- **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.

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Statistical Genetics
Tenure-Track Investigator
Mood and Anxiety Disorders Program
National Institute of Mental Health
Bethesda, MD, USA

The Section on Developmental Genetic Epidemiology, Experimental Therapeutics and Pathophysiology Branch in the Mood and Anxiety Disorders Program at the National Institute of Mental Health, Intramural Research Program is recruiting a scientist for a tenure-track position to develop research in statistical genetics in a new cross-institute program in neurogenetics. The candidate will have the opportunity for collaboration with scientists in diverse research areas in genetics (i.e., genetic epidemiology, biostatistics, statistical genetics, molecular genetics), as well as neuroscience and relevant clinical disciplines. The candidate is expected to have an M.D. or a Ph.D. in (1) biostatistics; (2) population or human genetics; or (3) genetic epidemiology. The applicant should have experience and interest in statistical analysis of genetic studies, and in developing new methods or adapting traditional statistical methods to identify the role of genes in the etiology of complex disorders. This position includes an attractive start-up package and operating budget in an exciting multidisciplinary research environment. Preference will be given to candidates with a background and interest in complex disorders, particularly neuropsychiatric disorders. Applicants should send a curriculum vitae, statement of research interests, and three letters of recommendation to Dr. Kathleen Merikangas (kathleen.merikangas@nih.gov), Search Committee, National Institutes of Health, 15 K North Drive, MSC#2670, Bethesda, MD 20892, by November 1, 2002.

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POSITIONS OPEN

ENDOWED CHAIR FOR RESEARCH ASSOCIATE/PROFESSOR OF ANESTHESIOLOGY Department of Anesthesiology University of Missouri at Kansas City School of Medicine Midwest Research Institute

The University of Missouri-Kansas City School of Medicine, the Department of Anesthesiology, Saint Luke's Hospital, Saint Luke's Foundation, and Midwest Research Institute (MRI, a not-for-profit research institute) are seeking a full-time Neuroscientist to fill the Westport Anesthesia Services/Missouri Endowed Chair in Research. The desired candidate should have five to 10 years of experience as an independently funded **INVESTIGATOR** (M.D./Ph.D. or Ph.D.) and a track record of success in program development. The successful candidate is expected to expand the research initiative of the Department of Anesthesiology and collaborate with the Research Scientists at MRI and the Department of Basic Medical Science (UMKC/SOM). Areas of interest could include molecular, cellular, pharmacologic, or systems neuroscience relevant to anesthesiology. The Endowed Chair will have a joint academic appointment in the Department of Anesthesiology/UMKC SOM and Midwest Research Institute. Please submit curriculum vitae with names, addresses, and telephone numbers of those individuals who are highly familiar with your work and willing to serve as references to: **E. E. Fibuch, M.D., Professor and Chairman, Department of Anesthesiology, UMKC SOM, Chairman, Search Committee, Saint Luke's Hospital, Department of Medical Education, Third Floor, 4401 Wornall Road, Kansas City, MO 64111.**

UMKC/SOM, Saint Luke's Hospital, Saint Luke's Foundation, and MRI are Affirmative Action/Equal Employment Opportunity Institutions.

The Vassar College Department of Biology is seeking a Geneticist, Cell, or Molecular Biologist to fill a full-time, one-year **VISITING ASSISTANT PROFESSOR** position. Ph.D. is required and appropriate teaching and postdoctoral experience preferred. Teaching includes introductory cell biology in the fall semester followed in the spring by genetics and another advanced biology course in the candidate's area of expertise. Please send curriculum vitae, statements of teaching philosophy and research interest, and three letters of reference to: **Dr. David K. Jemio, Department of Biology, Box 731, Vassar College, 124 Raymond Avenue, Poughkeepsie, NY 12604.** Review of applications begins immediately. Departmental and course information may be found at website: <http://depts.vassar.edu/~biology/>.

Vassar College is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available to study the relationship between protein sequence variation and protein structure/function using computational analysis. Research will be primarily methods development focusing on complex models, speed, context-specific evolution, and coevolution between residues. A Ph.D. and experience with molecular evolution; programming; statistics (likelihood, MCMC); or genomics is required. Refer to website: <http://www.biology.lsu.edu/webfac/dpollock/> for more details and information about the application process. Inquiries to: **David Pollock, Department of Biological Sciences, Louisiana State University; e-mail: dpollock@lsu.edu.** Review of applications will begin June 25, 2002, and will continue until position is filled.

LSU is an Equal Opportunity/Equal Access Employer.

POSTDOCTORAL POSITION is available to study signaling pathways involved in the motility of breast and prostate cancers (see *JBC* 277:3150). Knowledge of biochemistry and/or molecular biology is desired. Applicants should send curriculum vitae and names of three references to: **Dr. Dan Sliva, Cancer Research Laboratory, Methodist Research Institute, 1633 North Capitol Avenue, MT350, Indianapolis, IN 46202.** E-mail: dsliva@clarian.org.

POSITIONS OPEN



FACULTY POSITIONS Cellular and Molecular Neurobiology Molecular Genetics in Neurodegenerative Disease

The University of Kentucky Sanders-Brown Center on Aging invites applications for tenure-track **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** positions in cellular and molecular neurobiology of Alzheimer's disease and other neurodegenerative diseases and stroke. The successful candidates will join a sizable, energetic group of Neurobiologists and Clinicians working on neuron degeneration in an NIH-funded Alzheimer's disease research center. Senior faculty will be expected to possess an established, externally funded research program and successful junior faculty will be expected to develop a vigorous, independent research program. All candidates will have limited teaching responsibilities at the graduate level. Competitive start-up funds, state-funded salary commensurate with qualification, full benefits, and state-of-the-art laboratory facilities will be provided. Applicants must have a Ph.D. or M.D. Information about the Center may be found at website: <http://www.mc.uky.edu/coa>. Applicants should submit curriculum vitae; a brief statement of research interests; and names, addresses, and telephone numbers of three references to: **William R. Markesbery, M.D., Director, Sanders-Brown Center on Aging, University of Kentucky, 101 Sanders-Brown Building, Lexington, KY 40536-0230.** Applications will be reviewed immediately and accepted until the positions are filled. The University of Kentucky is an Affirmative Action/Equal Opportunity Institution.

POSTDOCTORAL OPPORTUNITIES

Postdoctoral positions available in the areas of proteomic analysis and cellulase enzymology.

Novozymes Biotech, Inc., located in Davis, California, is a wholly owned research and development subsidiary of Novozymes A/S based in Bagsvaerd, Denmark. Novozymes A/S is the world's largest discoverer, manufacturer, and marketer of industrial enzymes.

To learn more about our company and these exciting opportunities, please visit our website: <http://www.novozymesbiotech.com>.

Novozymes Biotech, Inc., is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

RESEARCH POSITION Institute of Comparative Medicine Columbia University

STAFF ASSOCIATE needed to perform experiments and supervise laboratory to investigate diseases of laboratory animals. Applicant will have knowledge and expertise in common molecular biology techniques and be able to work with minimal supervision. Should have at least an undergraduate degree in biology, chemistry, or a related science. Additionally, should have five or more years of experience working in a research laboratory. Send replies to: **Dr. Alan J. Herron; e-mail: ah2028@columbia.edu.** Columbia University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION to study ion transport in isolated kidney tubules. M.D. or Ph.D. in renal physiology and endocrinology; familiar with small animal work, micropipette fabrication, identification and dissection of nephron segments, single tubule microperfusion, and microanalysis. Send curriculum vitae with references to: **P. A. Friedman, Ph.D., Department of Pharmacology, E-1347 BSTWR, University of Pittsburgh School of Medicine, Pittsburgh, PA 15261.** E-mail: search01@server.pharm.pitt.edu.

POSITIONS OPEN

ASSISTANT PROFESSOR POSITIONS Département de Sciences Biologiques Université de Montréal

The Department of Biological Sciences of the School of Arts and Sciences invites applications for Assistant Professor positions. Applicants eligible to the NSERC-UFA program (website: <http://www.nserc.ca/programs>) are especially invited to submit an application. We are looking for candidates in the fields of:

- (1) Molecular, cellular, and organismic biology: developmental biology, signal transduction and perception, and routing and targeting of proteins.
- (2) Biodiversity, systematics, and evolution: entomology (systematics) and ornithology (populations genetics, biology of conservation, systematics).
- (3) Ecology-environment: river ecology.

Applicant must have a Ph.D., postdoctoral experience and publications, and must be able to teach in his/her field in French. Interested applicants should send their curriculum vitae; a description of the proposed research; reprints; copies of their university diplomas; and arrange for three confidential letters of reference to be sent before September 1, 2002, to:

**Therese Cabana, Chairman
Department of Biological Sciences
Université de Montréal
C.P. 6128, Succ. Centre-ville
Montreal, QC H3C 3J7 Canada
E-mail: therese.cabana@umontreal.ca**

Website: <http://www.fas.umontreal.ca/BIOL>

Positions start January 1, 2003. Applications will be considered until the positions are filled.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents in Canada. Université de Montréal is committed to a program of access to Equity in Employment for women.

RESEARCH ASSOCIATE

To direct hour-to-hour activities of a research laboratory focused on epithelial biology of intestinal epithelia as it relates to eukaryotic-prokaryotic interactions and to interactions between inflammatory cells and epithelial cells. Direction of Technicians and Postdoctoral Fellows as well as direct participation in the projects would be necessary and thus a broad background in the above fields would be optimal. The laboratory will be transferring to Chicago, Illinois, summer 2002 and will be adjacent to other laboratories focused on epithelial biology of the intestine. The Principal Investigator has been active in the above areas for several years, is well funded via NIH, and will serve as Dean of the School of Medicine and Biological Sciences Division. Please send curriculum vitae with cover letter and direct two letters of reference to:

**James L. Madara, M.D.
Dean, Division of the Biological Sciences
and the Pritzker School of Medicine
Vice President for Medical Affairs
The University of Chicago
5841 South Maryland Avenue, MC 1000
Chicago, IL 60637**

Applications should be received by July 1, 2002.

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

POSTDOCTORAL POSITION Biophysics

A Postdoctoral position is available in the laboratory of **Professor Bridgette Barry**. The research involves time-resolved FT-IR studies of the photosynthetic water-splitting reaction. Equipment includes a new Bruker 66v step scan/rapid scan FT-IR spectrometer with time resolution in the nanosecond time regime (website: <http://biosci.cbs.umn.edu/BMBB/barrylab/>). If interested, please send curriculum vitae and the names of three references to: **Professor Bridgette Barry, BMBB, University of Minnesota, 1479 Gortner Avenue, Room 140, St. Paul, MN 55108.** E-mail: barry@cbs.umn.edu; Telephone: 612-624-6732.



Staff Clinician Position in Endocrinology, NIH

The National Center for Complementary and Alternative Medicine (NCCAM) seeks outstanding candidates for a staff clinician position in Endocrinology and Metabolism in its Division of Intramural Research on the National Institutes of Health campus in Bethesda, Maryland. Applicants must possess an M.D. or D.O. degree, be licensed to practice medicine within the United States, have substantial clinical and research training in the area of endocrinology, and be American Board of Internal Medicine (ABIM) eligible or certified in endocrinology and metabolism.

The successful candidate will be expected to contribute importantly to a patient-oriented research program designed to assess the potential efficacy, safety, and mechanisms of action of selected, complementary and alternative (CAM) modalities. A specific research interest and experience in the areas of neuroendocrinology, aging and stress, and prior experience and publications in phase I, II and/or III clinical trials, are highly desirable. The extensive clinical research facilities of the NIH Clinical Center will be made available to the successful applicant. Salary and benefits will be commensurate with experience. Applications from women and minorities are encouraged.

Candidates are invited to submit a curriculum vitae, and the names and addresses of three references, to: **Ms. Mary Clements, Human Resources Specialist, NCCAM Office of Human Resources, 31 Center Drive-MS C 2182, Bethesda, MD 20892-2182.**

APPLICATIONS MUST BE POSTMARKED BY AUGUST 15, 2002

NIH IS AN EQUAL OPPORTUNITY EMPLOYER



Help shape the future of Basic and Clinical Neuroscience at the NIH

The National Institute of Neurological Disorders and Stroke, NIH, is seeking a scientist or physician with experience in Immunology or Virology to serve as **Program Director** for the planning, evaluation, and administration of research on **HIV infection of the nervous system**. The successful candidate will join a highly interactive group of scientists and clinicians directing research programs in all areas of modern neuroscience and neurological disorders. He/she will plan and implement a cutting edge research program through active communication with the professional and lay communities as well as program staff from other institutes and agencies.

Applicants should have a Ph.D. and/or M.D. degree in a relevant field of biomedical science. This is a GS 13/14 civil service position (salary range \$66,229.00 - \$101,742.00). Physicians may be eligible for a Physician's Comparability Allowance. Permanent U.S. residents may apply for consideration under temporary appointments.

Applicants should submit by **July 1, 2002** a letter of application (refer to vacancy # **NINDS-02-0600**), a brief description of career interests, and a curriculum vitae and bibliography to: **Mr. Luis Arvelo, HRB, NINDS, NIH, Building 31, Room 8A23, 31 Center Drive, MSC 2540 Bethesda, MD 20892-2540; Tel. (301) 435-6033. FAX: (301) 480-0383; e-mail: la45j@nih.gov.** Applicants are **strongly encouraged** to obtain specific information concerning the knowledge, skills and abilities (KSAs) needed for the position by contacting **Mr. Arvelo** at (301) 435-6033. For complete information regarding the vacancy please see our Web site at: http://careerhere.nih.gov/CHPublic/HRShowVac.taf?&VACANCY_uid1=11361

NIH IS AN EQUAL OPPORTUNITY EMPLOYER



POSTDOCTORAL FELLOW Lymphocyte Costimulation Rochester, Minnesota, U.S.A

Postdoctoral positions are available immediately for studying mechanisms of new T cell costimulatory molecules in the regulation of T lymphocyte activation and tolerance (<http://www.mayo.edu/research/chenlab>). Individuals with Ph.D. degree in signal transduction, biochemistry or molecular biology are encouraged to apply. The experience in immunology will be a plus.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment. For further information please visit <http://www.mayo.edu/research/>.

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

Dr. Lieping Chen
Professor
Department of Immunology, Guggenheim 3
200 First Street SW
Rochester, MN 55905
(507)-538-0013; (507)-284-1637
chen.lieping@mayo.edu

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



SCIENTIFIC REVIEW ADMINISTRATOR POSITION AT THE CENTER FOR SCIENTIFIC REVIEW NIH

The Center for Scientific Review (CSR), National Institutes of Health (NIH), seeks a scientist with expertise in the area of Digestive Sciences who is interested in serving as a Scientific Review Administrator (SRA) in the management of the NIH peer review process.

Scientific Review Administrator (GS-12/13/14) will be responsible for the overall management of committees composed of leading scientists in their respective fields who meet to judge the scientific merit of investigator-initiated research grant applications. He/she will work with eminent scientists to identify those highly meritorious research projects that promise to advance the field of study of digestive sciences, with particular emphasis on gastrointestinal, hepatobiliary and pancreatic physiology, immunology and pathobiology at the molecular, cellular, tissue and whole organ levels in humans and animals.

Applicants must be U.S. citizens, and have earned the Ph.D. or M.D. (or have equivalent training and experience). It is crucial to have a record of independent research accomplishment, typically requiring several years beyond the doctoral degree. Salary will be commensurate with experience. A recruitment/relocation bonus may be available.

Please submit curriculum vitae by e-mail or mail to:

Mushtaq A. Khan, DVM, Ph.D.
Chief, Pathophysiological Sciences Integrated Review Group
Center for Scientific Review, NIH
6701 Rockledge Drive, Room 2176 MSC 7818
Bethesda, MD 20892-7818
(For courier, use 20817)
E-mail: khanm@csr.nih.gov

Selection for this position will be based on merit, with no discrimination for non-merit reasons, such as race, color, sex, national origin, marital status, disability, age, sexual orientation, or membership/nonmembership in an employee organization.

POSITIONS OPEN

PLANT PATHOLOGIST GS-401-11/12 U.S. Department of Agriculture Agricultural Research Service

The Plant Genetic Resources Unit located in Geneva, New York, is seeking to fill a permanent, full-time Plant Pathologist position to conduct genome- and/or proteome-based applied research on fungal pathogens of grapes in humid regions of the United States. Collaboration with other USDA and university Scientists across a wide range of scientific disciplines including plant physiology, plant breeding, horticulture, integrated pest management, entomology, and genetics is essential. The salary range for this position is \$45,285 to \$70,555 per annum. To qualify, candidates must have U.S. citizenship; a Bachelor's degree in plant pathology or in a related discipline appropriate to the position or a combination of education and experience with at least courses equivalent to a major in the plant pathology or a related discipline appropriate to the position; and one year of specialized experience. For more information on the research program, contact: **Dr. Warren F. Lamboy; Telephone: 315-787-2359**. To obtain additional information and application forms, visit our website: <http://www.ars.usda.gov/afm/hrd/vacancy/vac2.html> or call: **Tiffany Fisk; Telephone: 315-787-2307**. Applications in response to this ad must be marked with the Vacancy Announcement number (ARS-X2E-2264) and postmarked by July 1, 2002.

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

FACULTY DIRECTOR Flow Cytometry Core Facility University of Illinois at Chicago

The University of Illinois at Chicago is seeking a Faculty Director for its Flow Cytometry Core Laboratory. The facility houses two sorters and three analyzers. The Faculty Director should be a recognized expert in flow cytometry with his/her own research program or a collaborative research record who can advance the knowledge in the field and publish noteworthy results. The ideal candidate will have strong people, technical, and scientific skills to lead the flow facility and gain federal funding. The Director will participate as a co-Investigator in program project grants and in training Predoctoral and Postdoctoral Fellows. Responsibilities include operational oversight of the core facility, development of flow cytometry protocols, patent applications, and commercialization of new technology and coordination of grant applications to obtain new equipment. The Director will supervise two operators. The successful candidate will have a Ph.D. or M.D. degree and experience directing a flow cytometry core facility. The candidate will be eligible for a tenure-track appointment in a relevant basic science department and hold a joint appointment in the Cancer Center. A highly competitive salary and start-up package will be provided. Send curriculum vitae to: **Search Committee, MC 790, 835 South Wolcott, Chicago, IL 60612**. E-mail: gmrchar@uic.edu. UIC is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION Reproductive/Mammary Gland Biologist

A position is available to study the mechanistic bases of changes in mammary gland morphogenesis that are induced by fetal exposure to environmental hormones. Applicants will hold a Ph.D. with zero to two years of postdoctoral training; have experience in animal handling and dissection, morphology, immunohistochemistry, image analysis, and molecular biology; and demonstrate a high level of competency in both verbal and written English. Position is available immediately. Send curriculum vitae, reprints, and names of three references to: **Dr. Ana Soto, Department of Anatomy and Cellular Biology, Tufts University School of Medicine, 136 Harrison Avenue, Boston, MA 02111**. E-mail: janine.calabro@tufts.edu.

POSITIONS OPEN



GENOMICS/ANIMAL SCIENTIST

The U.S. Department of Agriculture, Agricultural Research Service, National Program Staff, in Beltsville, Maryland, is seeking a **NATIONAL PROGRAM LEADER** in one of the following areas: Biological Scientist (GS-401), Animal Scientist (GS-487), Physiologist (GS-413), or Geneticist/Molecular Biologist (GS-440). The position is being offered at the GS-14 and/or GS-15 level. Salary commensurate with experience (GS-14: \$78,265 to \$101,742 per year; GS-15: \$92,060 to \$119,682 per year). Candidates must be U.S. citizens. The position is responsible for planning, leading, coordinating, and implementing agricultural research programs relating to germplasm improvement and preservation; animal reproduction including gamete biology, molecular biology, or physiology; and animal biotechnology. These positions have specific education and experience requirements and factors that must be addressed. In order to ensure submission of a complete application, applicants must request a copy of the announcement by calling **Telephone: 301-504-1482** or by printing it from the Internet at website: <http://www.afm.ars.usda.gov/divisions/hrd/hrdhomepage/empopp.htm> under ARS Job Opportunities; click on Research Scientist Vacancies. The Vacancy Announcement number for this position is ARS-X2E-2324. This Announcement closes July 1, 2002. USDA/ARS is an Equal Opportunity Employer and Provider.

ASSISTANT PROFESSOR (TENURE-TRACK) Baylor College of Medicine Houston, Texas U.S.A.

The Center for Cutaneous Molecular Biology at Baylor College of Medicine invites applications for a tenure-track faculty position at the level of Assistant Professor. The successful candidate will receive joint appointments in the Departments of Molecular and Cellular Biology and Dermatology. Applicants must hold a Ph.D. or M.D. degree and have had at least three years of postdoctoral training in cutaneous biology. We are particularly interested in candidates that have extensive experience in using genetically engineered mice to study epidermal development in this process. The successful candidate is expected to obtain independent funding for his/her research.

Application review begins immediately. Candidates should send their curriculum vitae and a description of their research interests to:

Dennis R. Roop, Ph.D.
Director, Center for Cutaneous
Molecular Biology
Baylor College of Medicine
One Baylor Plaza
Department of Molecular and Cellular Biology
Room T721
Houston, TX 77030
Telephone: 713-798-3722
FAX: 713-798-3800
E-mail: roopd@bcm.tmc.edu

Baylor College of Medicine is an Equal Opportunity/Affirmative Action and Equal Access Employer.

POSTDOCTORAL POSITION Eppley Institute for Research in Cancer University of Nebraska Medical Center

Postdoctoral position available to study the role of the immune system in the development of colon cancer. Applicants must have a Ph.D. in molecular biology or a related discipline. Some expertise in immunology is desirable. Send résumé including the names, addresses, and telephone numbers of three references to: **Dr. Barry Gold, Eppley Institute, University of Nebraska Medical Center, 9868198 Nebraska Medical Center, Omaha, NE 68198-6805**. E-mail: bgold@unmc.edu. Equal Employment Opportunity/Affirmative Action Employer.

POSITIONS OPEN

RESEARCH ASSISTANT/POSTDOCTORAL POSITION is available at the Whitney Laboratory, University of Florida, to study diversity, function, and evolution of coral proteins homologous to the green fluorescent protein (GFP). There are two major research directions. The first one is aimed at creating a wide and diverse collection of potential markers for biotechnology applications (see *Nat. Biotechnol.* 17:969-973, 1999). The second goal is to understand the evolutionary origins of the reef corals' color diversity as long as the colors are determined by the GFP-like proteins (see *Proc. Natl. Acad. Sci. U.S.A.* 99:4256-4261, 2002). The research program is highly interdisciplinary, joining gene hunting, protein structure-function studies, molecular phylogenetics, and coral ecology. More details on the projects can be found at website: <http://www.whitney.ufl.edu/matz.htm>. Candidates must hold a Ph.D. or equivalent Doctoral degree in basic science. The ideal candidate would have experience in molecular biology techniques (most importantly, modern PCR-based methods); have a strong background in protein science and molecular evolution; and hold a valid diving certificate.

To apply, please send curriculum vitae, bibliography, and the names and contacts of three references. This information must be sent in the form of a single Microsoft Word or Adobe Acrobat document attached to an e-mail message (please put "application" into the subject line) to the e-mail address: matz@whitney.ufl.edu.

FACULTY POSITION: The Department of Anatomy, Physiology, and Cell Biology, School of Veterinary Medicine, University of California, Davis, is recruiting an **ASSISTANT/ASSOCIATE PROFESSOR** of Veterinary Anatomy/Cell Biology. D.V.M. or equivalent preferred. Ph.D. required with advanced training in vertebrate anatomy/physiology/cell biology/molecular biology or associated field such as bioengineering, orthopedics, or pathology. Responsibilities will include teaching in the D.V.M. professional curriculum. Demonstrated research record with potential to develop an independent research program in the area of musculoskeletal biology and ability to secure extramural funding. Salary dependent on qualifications and experience. Submit letter of intent, curriculum vitae, and the names of three references to: **Charles G. Plopper, Chair, Department of Anatomy, Physiology, and Cell Biology, School of Veterinary Medicine, University of California, Davis, CA 95616**. Attention: **Terry Davison**. To receive fullest consideration, applications must be received by August 15, 2002; position open until filled. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWS Biochemistry/Biophysics/Bioorganic Chemistry

Three positions are available in the Chemistry (Professors Cooperman and Gai) and Physiology (Professor Goldman) Departments at the University of Pennsylvania to pursue (1) single molecule and single turnover investigations of ribosome function, (2) time-resolved FT-IR studies of protein folding and conformational change, and (3) combinatorial synthesis approaches in developing peptide and peptidomimetic therapeutics. Send résumé to: **Professor Barry S. Cooperman, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104**. E-mail addresses: coopman@pobox.upenn.edu; gai@sas.upenn.edu; goldman@mail.med.upenn.edu.

ASSISTANT/ASSOCIATE/FULL PROFESSOR: systems integration and modeling. The School of Forestry and Wildlife Sciences at Auburn University is seeking applications for an Assistant/Associate/Full Professor position in systems integration and modeling. This is a 12-month, tenure-track position with responsibilities in research, teaching, and administration. Review of applications will begin July 15, 2002. For details, see website: <http://www.forestry.auburn.edu/> or contact: **Dr. Graeme Lockaby; Telephone: 334-844-1054; e-mail: lockabg@auburn.edu**. Affirmative Action/Equal Opportunity Employer. Women and ethnic minorities are encouraged to apply.

One goal. Every effort.

BIOMEDICAL TECHNOLOGISTS

Opportunities are currently available to work with a pediatric (Tampa Children's Hospital) or adult (St. Joseph's Hospital) population to conduct all clinical tests and basic biological research experiments. Requirements include a Master's degree in Biological/Chemical Science; a permanent Florida Laboratory Technician license; and one year of previous research experience. Working knowledge of in-vitro mammalian tissue culture, molecular biology techniques involving DNA/RNA and proteins is a must for the Pediatric opportunity.

PEDIATRIC RESEARCH SCIENTIFIC DIRECTOR

Tampa Children's Hospital is currently seeking a Research Scientific Director to lead its Pediatric Oncology Research Laboratory. Requires an immunology or molecular biology and genetic background; 5 years research experience; the ability to design/perform research projects and publish work in journals; and working knowledge of in-vitro mammalian tissue culture and molecular biology techniques involving DNA, RNA, or protein immunology.

Qualified applicants please apply in person or forward resume to: **ST. JOSEPH'S HOSPITAL, Team Resources**, 3003 W. Dr. Martin Luther King Jr. Blvd., Tampa, FL 33607; phone (813) 870-4538; Jobline (813) 870-4539. Fax: (813) 870-4813. www.BayCareJobs.com BOE/DFWP.



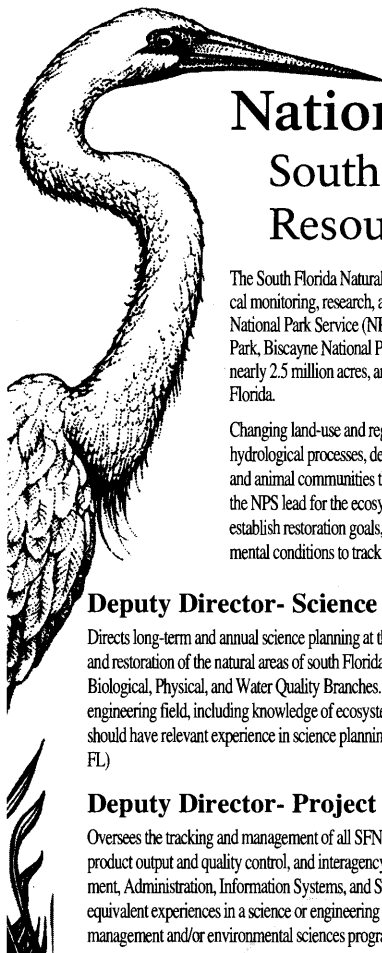
**CANADIAN BLOOD SERVICES
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Donnez. Vous l'avez dans le sang.

CANADIAN BLOOD SERVICES Postdoctoral Fellowships

Canadian Blood Services (CBS) is accepting applications for Postdoctoral Fellowships to work with our affiliated R & D groups across Canada. CBS has active research programs in transfusion science emphasizing platelets, stem cells, plasma proteins, infectious disease, epidemiology and clinical transfusion practice. Applicants should have a Ph.D or M.D. degree and a strong research background. This two-year award includes a salary and research allowance, and the possibility of a one-year renewal.

Candidates must select and contact a CBS affiliated scientist to serve as the Postdoctoral Fellowship supervisor. A list of CBS affiliated scientists and forms are available at www.bloodservices.ca, and from the R&D Office (aura.owen@bloodservices.ca), **Canadian Blood Services, Research & Development**, 1800 Alta Vista Drive, Ottawa, Ontario, K1G 4J5, Canada. Application deadline: **July 3, 2002.**



National Park Service South Florida Natural Resources Center

The South Florida Natural Resources Center was established in 1978 to conduct ecological and hydrological monitoring, research, and natural resources management studies to guide the preservation of the four National Park Service (NPS) units in South Florida. Collectively these NPS units (Everglades National Park, Biscayne National Park, Dry Tortugas National Park, and the Big Cypress National Preserve) include nearly 2.5 million acres, and were established to preserve the natural and cultural resources of South Florida.

Changing land-use and regional water management practices over the last century have altered the natural hydrological processes, degraded water quality, and decreased the abundance and diversity of native plant and animal communities throughout South Florida. The South Florida Natural Resources Center serves as the NPS lead for the ecosystem restoration initiatives in South Florida, conducting scientific studies to establish restoration goals, evaluate the impacts of proposed management actions, and monitor environmental conditions to track long-term restoration success.

Deputy Director- Science

Directs long-term and annual science planning at the SFNRC, and oversees multi-disciplinary projects focused on the preservation and restoration of the natural areas of south Florida. Supervises a staff of approximately 60-65 scientists and engineers in the Biological, Physical, and Water Quality Branches. Graduate level education is preferred or equivalent experiences in a science or engineering field, including knowledge of ecosystem restoration practices and the management of protected areas. Candidates should have relevant experience in science planning, environmental research, and/or natural resource management. (Homestead, FL)

Deputy Director- Project Implementation

Oversees the tracking and management of all SFNRC projects, including administrative, logistical, IT support, project scoping, product output and quality control, and interagency coordination and outreach. Directs a 35-40 person staff in the Project Management, Administration, Information Systems, and Science Communications Branches. Graduate level education is preferred or equivalent experiences in a science or engineering field and specific experience in administering and managing natural resources management and/or environmental sciences programs. (Homestead, FL)

Branch Chief- Science Communications

Develops and implements communications and outreach strategies to translate scientific and technical information into concise scientific messages and policy guidelines. Directs a staff of inter-agency science liaisons, technical writers, and graphic artists. Graduate level education is preferred or equivalent experiences in a science or communications field, skills in communicating technical information to natural resource managers, outside agencies, and the stakeholder community. Candidates should have experience in the areas of science communications, technical writing, and inter-agency coordination and outreach. (Homestead, FL)

Ecotoxicologist

Performs technical assessments and predictive simulations of the potential affects of land use and water management activities related to the impacts of contaminants on protected natural areas and their biological communities. Graduate level education is preferred or equivalent experiences in a biology, chemistry, environmental engineering, or a related field, with experience in risk assessments, wetland processes, and the sources, transport and fate of contaminants in surface water and groundwater environments. Candidates should have relevant experience in ecotoxicology. (West Palm Beach, FL)

Environmental Engineer

Performs technical assessments and predictive simulations of the potential affects of land use activities related to the impacts of degraded water quality on protected natural areas and their biological communities. Graduate level education is preferred or equivalent experiences in biology, chemistry, environmental engineering, or a related field, with experience in water quality assessments, wetland processes, compliance tracking, and the affects of degraded water quality on biological communities. Candidates should have experience in water quality assessments. (West Palm Beach/Homestead, FL)

Landscape Ecologist

Develops or applies population and community level simulation models and other habitat evaluation tools to assess the impacts of regional land use and water management activities on the freshwater and estuarine resources of the south Florida ecosystem. Graduate level education is preferred or equivalent experiences in biology or a related field, knowledge of the physical and biological factors regulating plant and animal populations, and quantitative methods for analyzing spatial changes in key communities and indicator species. Candidates should have experience in landscape ecology. (Homestead, FL)



Please refer to <http://www.usajobs.opm.gov> for specific job announcement
Direct inquiries for job application to Human Resources Office: Phone# (305)-242-7720
Direct inquiries for specific job information to: SFNRC, Everglades National Park, 40001 State Road 9336
Homestead, Florida 33030, Phone # (305)-242-7800, Fax # (305)-242-7836
Visit our website at <http://www.sfnrc.ever.nps.gov>

National Park Service is an Equal Opportunity Employer
Applicant must be a United States Citizen in order to be considered
Vacancies are available in West Palm Beach and Homestead, Florida

POSITIONS OPEN

POSTDOCTORAL FELLOW POSITIONS

Two Postdoctoral positions are available to study (1) the molecular mechanisms involved in infection by the human T cell leukemia virus Type 1 (HTLV-1) and (2) host cell factors and AIDS pathogenesis. The first project will use a virus-based reporter gene activation assay system set up in my laboratory to analyze the specificity of HTLV-1 envelope glycoprotein-mediated cell fusion. The HTLV-1 fusion system will be used to isolate the cellular receptor used by this retrovirus. The second project focuses on the identification and characterization of host gene products that confer resistance to HIV-1 infection. Both positions will be supported by NIH-funded grants. The starting salary will be US\$30,000 per year plus fringe benefits. Support facilities and research environment are outstanding. Applicants should have a strong background in molecular biology techniques. Interested candidates should e-mail or mail their curriculum vitae with contact information for three references to: **Dr. Ghalib Alkhatib, Department of Microbiology and Immunology, Indiana University School of Medicine, Walther Oncology Center, 1044 West Walnut Street, Room 302, Indianapolis, IN 46202 U.S.A. E-mail: galkhati@iupui.edu.**

RESEARCH ASSOCIATE/ POSTDOCTORAL POSITION Molecular Carcinogenesis

We are using recently developed transgenic mouse models to identify signaling events downstream from polyamines and an activated Ras that can be targeted to prevent and/or treat cancer. The successful candidate will investigate novel, polyamine-mediated alterations in chromatin remodeling that affect transcriptional regulation in skin tumor progression using chromatin immunoprecipitation (ChIP), laser capture microdissection (LCM), HAT/HDAC analyses, and reporter gene-based strategies. We are seeking a motivated, recent Ph.D. with strong background in cell/molecular biology. Position available immediately. Interested applicants may send their curriculum vitae, three references, and a brief summary of research interests to: **Susan K. Gilmour, Ph.D., Lancaster Institute for Medical Research, 100 Lancaster Avenue, Wynnewood, PA 19096. E-mail: gilmours@mlhs.org.** For more information, please visit our website: <http://www.limr.org>. *Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.*

RESEARCH ASSOCIATE/POSTDOCTORAL University of Pennsylvania

Research Associate position to study roles of brain monoamine systems in opiate and cocaine abuse. Strong behavioral pharmacology experience in rat required as well as excellent skills in writing manuscripts and grants. Also two Postdoctoral positions, one in anatomy using transynaptic tract tracing in rats and the other in neurophysiology using single-unit recordings in rats. Both to study neurons and circuitry involved in drug abuse and circadian/sleep function. Experience in tract tracing and immunohistochemistry or in neurophysiology of single neurons in rats preferred. Join interactive group of Scientists using anatomical, neurophysiological, and behavioral methods. Excellent salary and benefits. Send curriculum vitae and names of three references to: **Dr. Gary Aston-Jones, Ph.D., Department of Psychiatry, University of Pennsylvania, VAMC (151), University and Woodland Avenues, Philadelphia, PA 19104. E-mail: gaj@mail.med.upenn.edu.**

POSTDOCTORAL POSITIONS are available to study signal transduction mechanisms underlying ion channel regulation in central neurons using combined electrophysiological, biochemical, and molecular biological approaches. Candidates with interest in neuroscience and experience in electrophysiological recording are preferred. Send curriculum vitae and names of references to: **Dr. Zhen Yan, Department of Physiology and Biophysics, State University of New York, Buffalo, NY 14214. E-mail: zhenyan@buffalo.edu.**

POSITIONS OPEN



FACULTY POSITION IN BIOMATERIALS Department of Materials Science and Engineering Stanford University

The Department of Materials Science and Engineering at Stanford University invites applications for a junior-level (**ASSISTANT** or untenured **ASSOCIATE PROFESSOR**) tenure-track position in the general area of biomaterials. Applicants should hold an earned Doctorate in a core engineering or science discipline and should have outstanding potential for establishing an independent research and teaching program in biomaterials science and engineering at the graduate and undergraduate levels. The successful applicant is expected to contribute to Stanford's programs in bioengineering and biosciences in general and should be committed to working in an interdisciplinary environment.

We are interested in an individual with research and teaching experience in synthesis, characterization, and/or structure-property relationships in biomaterials or biomimetic processing. In particular, we seek an individual prepared to develop strong research programs in such areas as novel biomaterial synthesis and processing, self-assembling biomaterials, organic-inorganic nanocomposites, bioactive materials, biomaterial surfaces and interfaces, biocompatibility, biomimetic routes to engineered biomaterials or hard/soft tissue, and biomolecular materials for electronic or photonic applications. We are especially interested in a person who could collaborate effectively with other materials science faculty and students engaged in biomaterials, microelectronic, and biomolecular research. We also seek an individual who is committed to excellence in teaching and to the mentoring of students. The successful candidate will be expected to contribute to the teaching program of the Department by offering core courses in materials science as well as by developing new curricula on biomaterials.

Applications should include a summary of their educational and professional background, a current list of published work, evidence of teaching experience, and the names of at least three references that may be consulted by the search committee. An indication of how the candidate's experience matches the position described above should also be given. Applicants are encouraged to write brief descriptions of their plans for future research and how those plans might be realized in a Stanford setting as well as to submit similar statements on teaching, focusing especially on their vision of teaching in biomaterials. The appointment is expected to be made during the 2002-2003 academic year; applications should be submitted by September 30, 2002, to:

Professor Reinhold H. Dauskardt
Chair, Biomaterials Search
Department of Materials Science and Engineering
Stanford University
Stanford, CA 94305-2205
Telephone: 650-725-0679
FAX: 650-725-4034
E-mail: dauskardt@stanford.edu

Stanford University is an Equal Opportunity Employer and welcomes nominations of women and minority group members and applications from them.

POSTDOCTORAL and TECHNICIAN POSITIONS available immediately in functional genomics/molecular ecology. Project uses chimeric receptor-like kinases and reporter constructs (e.g., GFP) in *Arabidopsis* to examine plant perception of and responses to natural and novel environmental stimuli including microbes, volatile chemicals, soil contaminants, and insects. Please e-mail curriculum vitae, interests, and names of three references to: **Jack C. Schultz (e-mail: ujq@psu.edu) or Ramesh Raina (e-mail: rxr21@psu.edu).** *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR College of Medicine

POSTDOCTORAL POSITIONS are immediately open for research in the areas of schizophrenia, bipolar disorder, and gene expression. Additional projects include analysis and models of underlying causes of gene expression differences in neuropsychiatric disorders. The laboratory is housed in a neuroscience facility that includes a dedicated laser capture microscope, Affymetrix gene chip, and TaqMan equipment. Candidates must have a Ph.D. or M.D. The salary range is \$31,044 to \$40,512 annually. Qualified candidates may send curriculum vitae, scientific aspirations, and three references to: **Marquis P. Vawter, Ph.D., Department of Psychiatry and Human Behavior, Med Sci I, Room D433, University of California, Irvine, Irvine, CA 92697-1675. FAX: 949-824-7012; e-mail: mvwawter@uci.edu** Closing date: July 8, 2002. *UCI is an Equal Opportunity Employer committed to excellence through diversity.*

POSTDOCTORAL POSITION Duke University

Postdoctoral position available to study roles of arrestins and G protein-coupled receptor kinases in signaling mediated by seven membrane-spanning receptors. Work is carried out at the molecular, cellular, and physiological levels and utilizes knockout animals and mouse embryonic fibroblasts derived therefrom. Strong background in molecular and cell biology required.

To be considered for the position, please send a cover letter, curriculum vitae with bibliography, and three letters of reference to:

Robert J. Lefkowitz, M.D.
P.O. Box 3821
Duke University Medical Center
Durham, NC 27710

POSTDOCTORAL POSITION

A Postdoctoral position is available immediately to study telomerase gene regulation in human cancer and aging cells through epigenetic mechanisms such as DNA methylation and histone deacetylation. Outstanding, highly motivated candidates with expertise in cell and molecular biology are highly desired. Applicants with recent Ph.D., M.D., or equivalent degrees should send their curriculum vitae and the names of three references to: **Trygve Tollefsbol, Ph.D., D.O., 175 Campbell Hall, 1300 University Boulevard, University of Alabama at Birmingham, Birmingham, AL 35294-1170. E-mail: trygve@uab.edu.**

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POSTDOCTORAL POSITIONS. Up to two Postdoctoral positions available immediately to study (1) regulation of aflatoxin gene expression in *Aspergillus parasiticus* and (2) role of signal transduction pathways in regulation of aflatoxin biosynthesis. Experience in biochemistry, molecular biology, microarray technology, cell fractionation, electron microscopy, and protein-protein interactions highly desirable. Send curriculum vitae and names of three references to: **Dr. John E. Linz, Department of Food Science and Human Nutrition, GM Trout Building, Michigan State University, East Lansing, MI 48824.** Application deadline is June 30, 2002, or until suitable candidates are identified. *Michigan State University is an Affirmative Action/Equal Opportunity Employer.*

A POSTDOCTORAL POSITION at Massachusetts General Hospital/Harvard Medical School is currently available to study the pathogenesis of cutaneous melanoma. Candidates should have a strong background in molecular biology and molecular genetics along with training in cancer biology. Experience with either genomic technologies or murine cancer models is also desirable. Submit curriculum vitae and three references to: **Dr. Hensin Tsao, c/o Ms. Sheronda Ponder-Jackson; e-mail: sponderjackson@partners.org.**

focus on CAREERS

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Please send a brief research proposal and curriculum vitae including the names of 3 academic referees to: Professor Adrian Bird (Director), Wellcome Trust Centre for Cell Biology, University of Edinburgh, Michael Swann Building, The King's Buildings, Edinburgh EH9 3JR. Informal enquiries may be made to Professor Bird by e-mail to christine.struthers@ed.ac.uk

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ACADEMIC COORDINATOR II, PROTEOMICS POSITION

**Genomics Institute and
Center for Plant Cell Biology (CEPCEB)
Department of Botany and Plant Sciences
University of California
Riverside, California 92521-0124
Fax: (909) 787-4437
Voice: (909) 787-4401**

The Genomics Institute and the Center for Plant Cell Biology (CEPCEB) at the University of California, Riverside invite applicants for an Academic Coordinator II position in Proteomics. Under the general direction of the Director of the UCR Genomics Institute and the Director of CEPCEB, the Academic Coordinator in Proteomics will be responsible for supervision, maintenance and operation of the core Proteomics facility.

The successful applicant will be expected to plan and organize all functions of the instrumentation facility, including establishment of workflow and procedures and selection and supervision of facility staff. He or she will assist and advise faculty, students, and others in appropriate use of the facilities, and will be required to teach or organize short courses regarding available proteomic resources. The appointee will be expected to develop research collaborations and interact effectively with faculty, students, postdocs and others. The appointee will work closely with the Directors of the Institute and of CEPCEB to identify instrumentation needs and seek funding for new equipment. An important qualification for the job is an awareness of the most recent technical and innovative advances in the field of proteomics, including knowledge of equipment maintenance and repair. Applicants must have a PhD in biochemistry or chemistry with two to five years of demonstrated experience with capillary LC/MS/MS instruments and analysis of protein digests. The successful candidate should have experience in protein/biological mass spectrometry. Hands-on experience with the operation and maintenance of LC-MS instrumentation, specifically a Finnigan LCQ ion trap and a Micromass qToF, is desirable. Familiarity with bioinformatics tools for protein identification using mass spectrometric data is also preferred.

Letter of application, including a curriculum vitae and three letters of reference should be sent to: E. A. Nothnagel, Chair, Department of Botany and Plant Sciences, University of California, Riverside, CA 92521-0124. Additional information about the College of Natural and Agricultural Sciences can be found at: <http://cnas.ucr.edu>, about the Genomics Institute at <http://www.genomics.ucr.edu> and the Center for Plant Cell Biology at <http://www.cepceb.ucr.edu>. Evaluation of applications will begin September 1, 2002 and will continue until the position is filled.

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USF University of South Florida

The University of South Florida invites nominations and Applications for the position of:

Vice President for Research

The University of South Florida invites nominations and applications for the position of Vice President for Research. As the chief research officer of the University, the Vice President reports to the President and is responsible for the administration, service, and promotion of the USF research program, including government, the community, and the University.

Established in 1956, USF has secured national and international respect as a leading research university by achieving the highest classification by the Carnegie Foundation: Doctoral/Research University-Extensive. In FY 2000/01, USF researchers were awarded over \$186 million in external funding. With four campuses in the Tampa Bay area, USF has an enrollment of over 37,000 students in 9 colleges and offers baccalaureate degrees in 79 fields, 95 master and specialist programs, and 32 doctoral programs.

USF seeks a visionary leader prepared to guide the University to even greater national and international stature. The Vice President must be committed to fostering excellent research in all fields of scholarly and creative endeavor and have significant administrative experience, demonstrated leadership ability, and an established record of funded research accomplishments. In keeping with USF's strategic goals, the University seeks an individual with a strong commitment to interdisciplinary research and experience in developing research infrastructure and successful partnerships with industry, government, and the community. Applicants must have an earned doctorate and qualify for appointment as a tenured Full Professor.

Additional information about USF Research and this position is available at <http://www.research.usf.edu>. Please direct applications and nominations to: Dr. Louis A. Martin-Vega, Chair, Search Committee for Vice President for Research, University of South Florida, 4202 E. Fowler Avenue, ENB118, Tampa, FL 33620.

Applications should include a current curriculum vitae, a list of four references, and a detailed letter describing the candidate's relevant experience and qualifications. Applicant screening will begin on June 30, 2002 and will continue until the position is filled.

The State of Florida has a Public Meeting Law and a Public Records Law and all university searches are conducted under the terms thereof. All meetings of the search committee are publicly announced and conducted. All documents submitted to the committee are treated as open material with the exception of evaluative documents specific to the performance of the faculty of the State University System of Florida concerning health or disabilities.

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DIRECTOR

Sam Noble Oklahoma Museum of Natural History
University of Oklahoma, Norman

Applications and nominations are invited for the position of Director of the Sam Noble Oklahoma Museum of Natural History (www.snomnh.ou.edu). We seek a highly visible scientist to provide leadership to an integrated staff of over 100 scientists, education and exhibit professionals, and support staff charged with presenting the natural and cultural history of Oklahoma and the world through creative exhibits, research, scholarly publications, and innovative educational programs. The 198,000-square-foot museum houses over 6 million artifacts and specimens, supporting programs in archeology, ethnology, herpetology, ichthyology, invertebrate paleontology, invertebrates, linguistics and linguistic anthropology, mammalogy, ornithology, paleobotany and micropaleontology, and vertebrate paleontology.

Responsibilities of the Director include: (1) oversight of museum activities; (2) integrating the museum's programs into the University and State; (3) fund raising; (4) liaison with the University administration and departments; (5) interaction with the public; (6) policy development and planning; (7) budget management; and (8) maintaining an active research program. The Director reports to the Senior Vice President and Provost, is supported by two Associate Directors, and will have an academic appointment in the appropriate University department.

Applicants must have: (1) a Ph.D. or the equivalent in the natural or social sciences; (2) an excellent record of scholarly activity, funded research, and publication; (3) management and leadership experience in a complex museum or similar organization; and (4) demonstrated strength in areas of fund raising and financial management. Preference will be given to candidates who are knowledgeable concerning collections acquisition and management, exhibition, and public service, and who have a successful history of working with diverse academic and public constituencies.

Send applications to: **Paul B. Bell, Jr., Dean, College of Arts and Sciences, 601 Elm Avenue, Room 1100, University of Oklahoma, Norman, OK 73019-3109.** Applications must include a full curriculum vitae, a statement of interest in the position, a delineation of the qualifications of the candidate for the position, and three letters of recommendation. Screening of applications will begin July 15, 2002, and continue until the position is filled. *Women and minorities are encouraged to apply. The University of Oklahoma is an Equal Opportunity-Affirmative Action Employer.*

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Invitrogen's Research Tools Development Grants Program provides funding for investigators developing innovative tools for use in life science research, including investigators working in academics, not-for-profit institutions, and for-profit companies. Total funding is US\$5 million per year, with annual individual awards of up to US\$100,000. Grants are provided quarterly; each quarter focuses on a specific field of interest.

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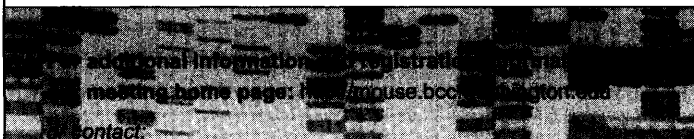


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Heather Hopkins, Program Manager, Seattle, WA 98195
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Young Investigator Award abstract deadline: June 14, 2002

University of Washington, Seattle, WA

July 28th–31st, 2002

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Qualified Scientists are encouraged to apply by sending curriculum vitae with a list of publications, names and addresses of three professional references, and a brief statement of research interest to the attention of: **Professor Ronald G. Prinn, Head, Department of Earth, Atmospheric, and Planetary Sciences 54-918, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139-4307.** In addition, applicants should arrange for the three letters of recommendation to be sent directly by references to the same address. All materials must be received by September 6, 2002.

MIT is an Equal Opportunity/Affirmative Action Employer.

The University of Virginia, Department of Pediatrics, has an NIH-funded **POSTDOCTORAL POSITION** available to study molecular mechanisms of normal vascular growth and in response to injury. Areas of interest include nuclear targeting, angiogenesis, gene-specific regulation, cell proliferation and differentiation, growth factors, and cell signaling. Cellular, molecular, and biochemical techniques will be utilized in culture and mouse models of vascular injury. Applicants must have Ph.D. or M.D. with molecular or cell biology background. The candidate will work with faculty in both medical and basic research as well as graduate students and other Postdoctoral Researchers. Our laboratory is productive, the research environment stimulating, and interaction with other laboratories is encouraged. Visit website: <http://www.med.virginia.edu/medicine/inter-dis/cvrc/Faculty/Everett.html>. Send curriculum vitae and a description of current research to: **Allen D. Everett, M.D., University of Virginia Health System, Department of Pediatrics, P.O. Box 801356, Charlottesville, VA 22908.** E-mail: ade5r@virginia.edu. Position open until filled. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Obesity/Signal Transduction of Metabolism

Up to three positions available in two major areas of molecular aspects of fat cells and metabolic regulation. One area explores biochemical and structural aspects of MAPK signaling by β adrenoreceptors in adipocytes (Soeder, JBC; Cao, JBC). Candidates should be proficient in protein purification, molecular biology, and experience in transmembrane signaling pathways. Proteomic experience welcome. The second research area examines uncoupling proteins and metabolic control. Two projects involve UCP2 and its role in signaling: (1) glucose and fatty acid-stimulated insulin secretion from β cells and (2) cytokine control of macrophage ROS (Arsenijevic, Nat. Gen.; Medvedev, JBC). Send curriculum vitae, statement of research interests and objectives, and references to: **Sheila Collins, Ph.D., c/o Ms. Jeanine Niyawme, Duke University Medical Center, Box 3557, Durham, NC 27710.** E-mail: colli008@mc.duke.edu.

POSTDOCTORAL POSITION available immediately to study biogenesis, trafficking, and targeting of K channels. Ph.D. in cell biology or biochemistry preferred. Send curriculum vitae and e-mail addresses of three references to: **Dr. Ligia Toro, University of California Los Angeles, Division of Molecular Medicine, Department of Anesthesiology, Box 951775, Los Angeles, CA 90095-1775.** E-mail: ltoro@ucla.edu. UCLA is an Equal Opportunity Employer.

POSITIONS OPEN



POSTDOCTORAL RESEARCH POSITIONS

The Pediatric Department at Northwestern University Medical School is seeking highly qualified Postdoctoral Researchers with a Ph.D. in molecular, cellular biology, or biochemistry for the following areas: (1) regulation of smooth muscle cell proliferation by reactive oxygen species (e-mail: steveblack@northwestern.edu); (2) protein kinase and the regulation of neuronal nitric oxide synthase activity (e-mail: steveblack@northwestern.edu); (3) molecular control of cell migration in cardiac development (e-mail: r-dettman@northwestern.edu); (4) biomechanical and molecular biology aspects of adhesion molecule function during endothelial vascular wound healing (e-mail: malbuquerque@northwestern.edu).

E-mail curriculum vitae and names of three references directly to the individual Investigator listed.

Northwestern is an Equal Opportunity Employer/Educator.

POSTDOCTORAL POSITION

Department of Pathology and Laboratory Medicine

Emory University School of Medicine

Two highly motivated individuals are wanted for two Postdoctoral positions at Emory University School of Medicine, Atlanta, Georgia. Strong molecular biology training is required; neuroscience background and neuronal primary culture technique are a plus. These two positions are available immediately and the salary is dependent on the experience. H1 or J1 visas are available upon request.

My laboratory is interested in NGF signaling in neuronal differentiation and survival. Specifically, we concentrate on the nuclear GTPase PIKE's biological functions in NGF signaling cascade. The ongoing research projects include:

- (1) the search for the PIKE GTPase's GAP,
- (2) PIKE and nuclear PI 3-kinase functions in NGF-stimulated cell survival,
- (3) PLC-gamma1's regulation in activating PIKE,
- (4) the function of PIKE in human cancer,
- (5) PIKE's role in mGluR receptors signaling cascade, and
- (6) PIKE knockout and its phenotype study.

For reference, please read two recent papers: *Cell* 103:919-930, 2000; *Nature* 415:541-544, 2002.

Interested candidates should submit a letter of application, curriculum vitae, and three professional references to:

Dr. Keqiang Ye
145 Whitehead Building
615 Michael Street
Atlanta, GA 30322
E-mail: kyc@emory.edu

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ASSOCIATE PROFESSOR

BIOSCIENCE STUDIES

University of Nevada, Las Vegas School of Dentistry

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POSITIONS OPEN

ASSISTANT PROFESSOR: ecosystem modeling. The School of Natural Resources and Environment (SNRE) at the University of Michigan seeks to fill a tenure-track position with emphasis in the modeling and simulation of ecological system dynamics in the context of ecosystem-based management. Ph.D. is required. The successful candidate should have expertise in developing and applying process-based, quantitative, dynamic, and spatially explicit models at a range of temporal and spatial scales. We are particularly interested in modeling the response of biogeochemical cycles, hydrological and nutrient flows, primary production, and/or other aspects of ecosystem function to anthropogenic processes, management, and policy scenarios. The successful candidate is expected to establish a vigorous program of funded research; teach at the undergraduate and graduate levels (the usual load is three courses per year, one of which may be a seminar); and to interact with students and faculty with diverse interests from natural resource science and management to policy and design. The successful candidate will have the opportunity to collaborate with a wide array of biological and social Scientists and modelers within the SNRE (website: <http://www.snre.umich.edu>) and throughout the University.

Candidates should submit a statement of research and teaching interests; curriculum vitae; a representative example of their scholarly work; and the names, addresses (including e-mail), and telephone numbers of three references to: **Ecosystem Modeling Search Committee, School of Natural Resources and Environment, The University of Michigan, 430 East University, Ann Arbor, MI 48109-1115.**

Review of applications will begin 15 August 2002. Applications will be considered until a suitable candidate is found. For further information, contact: **Dan Brown; Telephone: 734-763-5803; e-mail: danbrown@umich.edu.**

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

POSTDOCTORAL POSITIONS are available immediately in our internationally known laboratory research group, which is focused towards understanding the molecular and physiological basis of nuclear receptor signaling in normal target cells and in endocrine cancers. The successful applicant will both generate new genetically engineered mouse models using state-of-the-art technologies and apply microarray approaches for gene expression profiling of existing mouse models in our laboratory. Salary opportunities will be at the upper competitive end of the national norm. Applicants with a strong background in molecular biology and in using animal systems are encouraged to apply. Applicants should have received their Ph.D. and/or M.D. within the past five years and be eligible for an appropriate U.S. visa, if necessary.

Current curriculum, a brief statement describing prior research and future career goals, and three letters of reference (all required before applications are reviewed) should be sent to: **Dr. Bert W O'Malley or Dr. John Lydon, Baylor College of Medicine, Department of Molecular and Cellular Biology, One Baylor Plaza, Room 613, Houston, TX 77030-3498 U.S.A. FAX: 713-798-5599; e-mail: jlydon@bcm.tmc.edu.**

POSTDOCTORAL FELLOW positions are available to investigate (1) Rac signaling in phagocytes and (2) structure and regulation of the phagocyte NADPH oxidase. A combination of biochemical, genetic, and cell biologic approaches is used including use of knockout mice. Candidates should have M.D. and/or Ph.D. in a relevant field with experience in cell biology, molecular biology, or biochemistry as demonstrated by publications in peer-reviewed English-language journals. Send résumé and references to: **Mary C. Dinanuer, M.D., Ph.D., Wells Center for Pediatric Research, Indiana University Medical School, 1044 West Walnut, Room 402A, Indianapolis, IN 46202.** E-mail: mdinanuer@iupui.edu; FAX: 317-274-8679.

Indiana University is an Equal Opportunity/Affirmative Action Educator, Employer, and Contractor (Minorities/Females/Disabled).

POSITIONS OPEN

PARASITOLOGY

The University of North Dakota Department of Biology is creating two new positions in parasitology beginning summer 2002. The Department has a strong tradition in vertebrate ecology, evolution, and conservation. An exciting new interdisciplinary program has been initiated to investigate the effect of parasites on vertebrate populations. The Department has secured three years of NSF funding to establish a vertebrate-parasite research center. Positions are as follows: **RESEARCH ASSOCIATE** (nontenure-track faculty position): A Ph.D. in parasitology or related field is required and two to three years of postdoctoral training are strongly preferred. The successful candidate should have a broad-based knowledge of parasites as he/she will play a pivotal role in launching and managing a parasite core facility. This facility will provide basic parasitological services (e.g., identification, life cycle investigations, development of molecular assays, etc.) to other members of the research cluster. A full-time Laboratory Technician will be provided. The candidate is also expected to initiate and conduct individual as well as collaborative research to define the impact of parasites on vertebrate populations. **POSTDOCTORAL RESEARCHER:** A Ph.D. in parasitology or related field is required. The successful candidate will contribute to research on amphibian parasites and their relationship to the demography and population genetics of vertebrate hosts within prairie-wetlands and agricultural landscapes. Familiarity with molecular techniques is desirable. Send a letter of application, curriculum vitae, statement of research interests, and three letters of reference to: **Dr. Isaac Schlosser, Department of Biology, Box 9019, University of North Dakota, Grand Forks, ND 58202-9019.** Review of applications will begin on 5 July 2002 and will continue until the positions are filled.

POSTDOCTORAL RESEARCH POSITIONS Portland, Oregon

NIH-funded positions available immediately to study the cellular and molecular mechanisms underlying neuronal injury in brain ischemia and traumatic brain injury. Candidate requirements: Ph.D. with expertise in electrophysiology, confocal microscopy, molecular/cell biology, biochemistry, or neurobiology. R.S. Dow Neurobiology Laboratories provide excellent multidisciplinary collaborations and expertise, competitive salary and benefits, and are located close to neuroscience community of Oregon Health Science University. Current research projects include physiology and pathology of acid-sensing ion channels, traumatic brain injury, ischemic tolerance, neurogenesis, and protein trafficking, etc. Apply online at website: <http://www.legacyhealth.org> and complete application for Job Posting Number 068781/068782. Direct inquiries to: **Dr. Roger Simon, Director and Chair; e-mail: rsimon@downeurobiology.org.** For applications, contact: **Legacy Employment Services, Attention: Vicki Owen, 1120 N.W. 20th Street, Suite 111, Portland, OR 97209. E-mail: vowen@lhs.org. Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS are available immediately for Ph.D. or M.D. with strong backgrounds in biochemistry, molecular biology, and/or apoptosis. Experience with mass spectrometry would be helpful. Projects focus on (1) identification/characterization of tumor-derived gangliosides, (2) the mechanism by which gangliosides and reactive oxygen species alter the sensitivity of lymphoid cells to apoptosis, and (3) molecular approaches to preventing apoptosis. Studies relate to tumor escape mechanism from the immune system. Send curriculum vitae and three letters of reference to: **James H. Finke, Ph.D., Lerner Research Institute, Department of Immunology, Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195 U.S.A. E-mail: finkej@ccf.org.**

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POSTDOCTORAL POSITION

Cancer-Causing Genes Section: *Drosophila*
Laboratory of Immunobiology
Center for Cancer Research
National Cancer Institute at Frederick
National Institutes of Health

There is an opening for a Postdoctoral Fellow to join the Laboratory of Immunobiology located within the National Cancer Institute at Frederick. The duties of this position include the study of signal transduction and human disease genes in *Drosophila* model systems. For information, see our recent publications (Chen et al., *Genes and Dev.* 16:388-398, 2002; Chen et al., *MCB* 22:1792-1803, 2002). Applicants must have a Ph.D. or M.D. degree in cell biology or a related discipline. Experience in *Drosophila* genetics is helpful. Interested applicants should send a cover letter, curriculum vitae, and the names of three references to: **Dr. Steven Hou, P.O. Box B, Building 560, Room 12-70, NCI at Frederick, Frederick, MD 21702-1201.** These items may also be faxed to FAX: 301-846-6145. *NIH is an Equal Opportunity Employer.*

Two **POSTDOCTORAL POSITIONS** are available in **Henry Furneaux's** laboratory to work on the mechanism of siRNA in mammalian cells. Please send curriculum vitae and names of three references, preferably by e-mail, to e-mail: furneaux@nso.uchc.edu or to: **Dr. Henry Furneaux, Department of Biochemistry, Center for Vascular Biology, University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030-3501.**

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Several **POSTDOCTORAL POSITIONS** available in human genetics and cancer genetics. Ph.D. degree is required. Backgrounds in human genetics and/or cancer genetics are ideal. Appropriate backgrounds in molecular biology may also be considered. Visit our website: <http://www2.umdj.edu/lilabweb>. Send curriculum vitae and names and addresses of three references to: **Dr. Honghua Li; e-mail: holi@umdj.edu.**

GLOBAL OPPORTUNITIES

LECTURER/SENIOR LECTURER/
ASSOCIATE PROFESSOR
Marine Macroalgal Ecology

The School of Biological Science invites nominations and applications for the above role. Individuals with research interests in interactions of algae with fish or invertebrates are of particular interest but those with specialties such as ecosystems ecology, ecophysiology, molecular biology, or algal evolution are also encouraged to apply. The appointee will be expected to develop an externally funded research programme in his/her area of expertise, supervise postgraduate students, and contribute to teaching programmes in marine biology and ecology/biodiversity. Further information about the School and the position can be found on website: <http://www.vuw.ac.nz/sbs> or by contacting: **Dr. Jonathan Gardner; e-mail: jonathan.gardner@vuw.ac.nz.** Consideration of applications begins 1 July 2002. Please quote Reference SA0215B. An application pack is available from: **Human Resources Assistant, Faculties of Science, Architecture, and Design; Telephone: +64-4-463 5100; e-mail: science-appoint@vuw.ac.nz; website: <http://www.nzjobs.co.nz/vuw>.**

POSITIONS OPEN

NIH-funded **POSTDOCTORAL POSITION** to study structure and function relationships in a group of amine oxidases that contain covalently bound flavin and belong to a recently recognized superfamily of prokaryotic and eukaryotic enzymes (see website: http://www.mcphu.edu/medschool/depts/biochemistry/resume_mj.htm). Candidates should have a Ph.D. and strong background in biochemistry and molecular biology.

Send curriculum vitae, summary of research experience, and the names and telephone numbers of three references to: **Dr. Marilyn Jorns, M.C.P. Hahnemann School of Medicine, Department of Biochemistry, 245 North 15th Street, Philadelphia, PA 19102. E-mail: marilyn.jorns@drexel.edu.**

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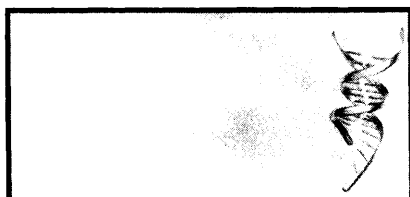
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