

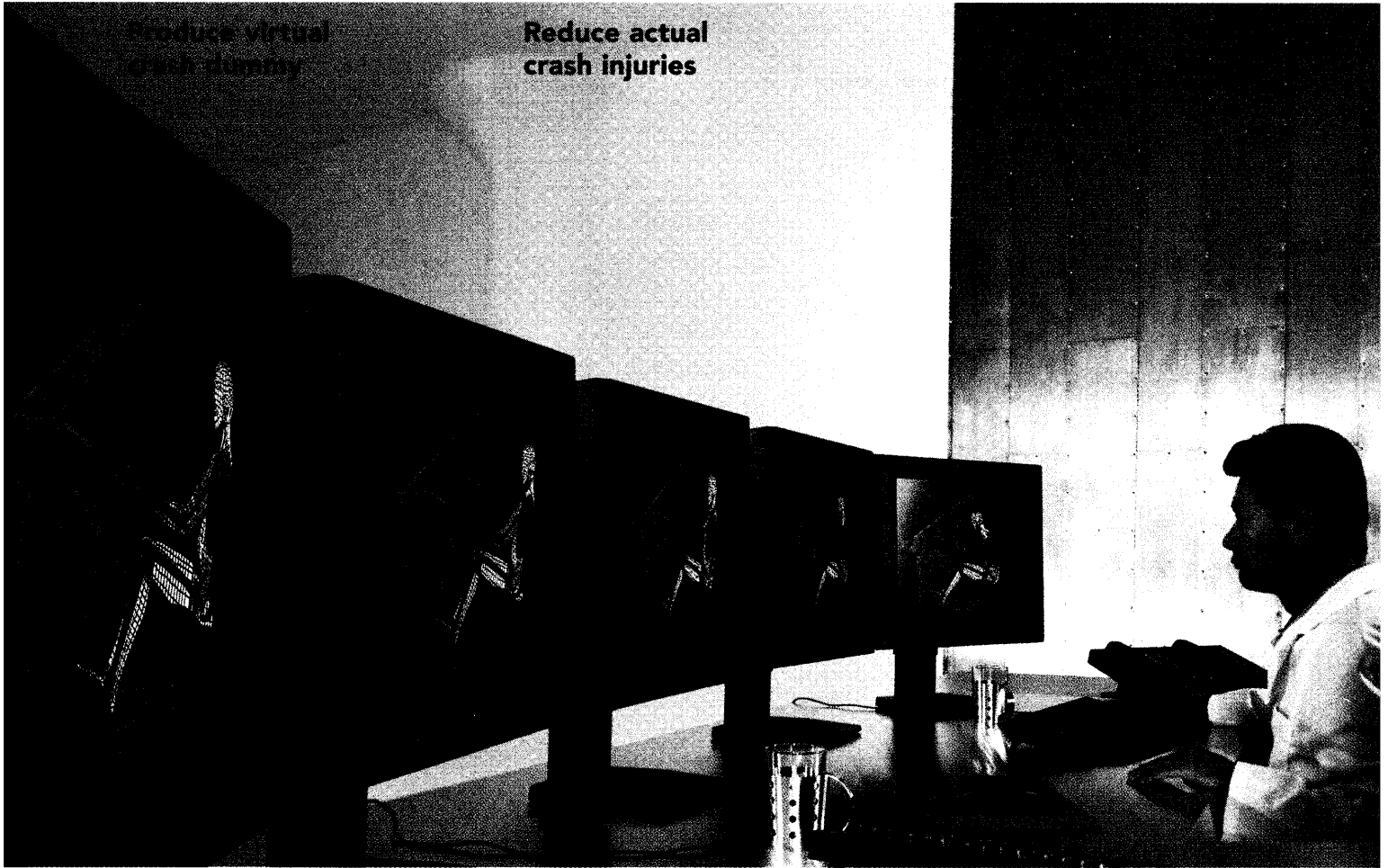
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UPDATED PLOTTING

SigmaPlot is a popular data analysis and plotting package for Windows. The newest version of the program, SigmaPlot 2001, retains the basic worksheet (spreadsheet-like) format of its predecessors, which is capable of handling large data sets (up to a mind-boggling 32,000 rows by 32,000 columns). In addition to permitting manual data entry, SigmaPlot 2001 imports data from common spreadsheet and database formats including Lotus, Quattro, Excel, dBase, and earlier versions of SigmaPlot, as well as from plain text files. This well-established software offers a flexible data analysis environment that produces excellent publication-quality graphics. A variety of regression tools are also provided. For those who require more sophisticated statistical analyses, a direct interface is provided with SigmaStat (a separate SPSS product). The convenient Excel interface allows the statistical and graphing tools of SigmaPlot to be applied directly to data in a Microsoft Excel workbook. Add-on modules that allow direct analysis of electrophysiological data, enzyme kinetic data, and radio-ligand binding data are also available.

The latest version of SigmaPlot contains several new features. Its Web publishing feature can produce HTML code and Web-compatible graphs that may be inserted into Web pages and viewed with a free downloadable viewer. Another new feature allows the user to apply color shading under curves. It also permits users to store graph features as style templates for reuse of frequently used graph formats. Another new option allows the setting of a default size for graphs. Export options have been expanded to include an encapsulated PostScript format and a TIFF compression format to help reduce export file sizes. Probably the most welcome feature of this release is the addition of a Publication Assistant that guides the user through the selection of image size, export format, DPI selection, and more to help the user prepare graphs for submission to journals for publication.

SigmaPlot allows a user to select a graph type and style of formatting, which specifies the appearance of the graph. An effective Graph Wizard helps the user select graph styles from those available for a given type. The software allows flexible specification of axis and multiple axes for two-dimensional graphs, even down to the definition of tick mark intervals, lengths, thicknesses, and more. The program also lets the user create discontinuous axes with differing tick intervals before and after the break. Though a given graph style provides axis labels, tick marks, and other standard notations for the graph, the user may readily edit these settings.

SigmaPlot is quite complex, but its designers have provided functions to improve ease of use. These include a "Tips and Tricks" pop-up at program startup and graph wizards that provide basic data organization information and strategy for the various graph formats. There is no hard copy manual, but the help feature and the online manual are both excellent. A manual for programming is also available online.

SigmaPlot 2001 is a worthy successor to earlier versions of this software. The new features may not be major breakthroughs, but they represent solid improvements that will aid the user.

—Allen B. Rawitch

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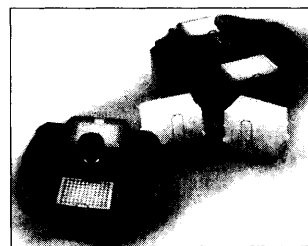
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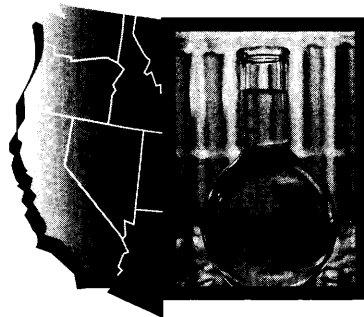
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Graduate Programs

preparation for life



BY PETER GWYNNE

GRADUATE PROGRAMS IN LIFE SCIENCE INCREASINGLY TRAIN STUDENTS IN CAREER SKILLS AS WELL AS HOT NEW SCIENTIFIC DISCIPLINES. HERE'S A GUIDE ON HOW TO TAKE ADVANTAGE OF THE OPPORTUNITIES.

The era during which undergraduates drifted into graduate school because they couldn't find anything else worth doing has long passed. Today, graduate schools in life science expect a high level of commitment by their recruits. In return, they provide the opportunity to develop understanding of and skills in a wide variety of hot fields, from bioinformatics to neuroscience to molecular pharmacology.

What do life scientists need to appeal to good graduate schools? Tangible demonstration of their commitment to and passion for research is a major factor. In most cases that means a meaningful research project at the undergraduate level. Letters of recommendation that emphasize applicants' devotion to high level scientific training also help.

Successful applicants can expect to receive career guidance as well as training in the essentials of research. Business classes and career seminars have started to appear in graduate course listings. Programs at several institutions aim to encourage communication skills that will benefit students in both academic and industrial careers.

Below, representatives from three medical schools and two universities discuss the qualities that they expect in applications to their graduate schools and the prospects that await the successful recruits.



TERRY KRULWICH

NEW YORK, New York: As dean of the graduate school of biological sciences at the Mount Sinai School of Medicine, Terry Krulwich administers a Ph.D. program in biomedical sciences, a medical scientist training program taken by M.D.-Ph.D. students, a Master's program in genetic counseling, and a Master's track in community medicine for medical students. The school is also developing an M.S. track in biomedical sciences that will feature career oriented courses.

Disciplines of interest to incoming graduates include behavioral and cognitive neuroscience, genomics and gene therapy, bioinformatics and computational biology, rational drug design and therapeutics, virology, and vaccine development. "We also see growing interest in areas of systems biology," says Krulwich, who is a professor of pharmacology and biological chemistry as well as dean.

In addition to its academic offerings, the school requires students to take courses relevant to their careers. "We've had a longstanding biostatistics requirement. Alumni report that this was a key factor in their attrac-

tiveness to employers," says Krulwich. "We are beginning a practicum in teaching that will be available to all students serving as student mentors and journal club leaders. We're working on a second practicum that we will offer through our office of industrial liaison. It will permit students to learn about business plans, technology transfer, and related topics. And we require stu-

dents to participate in a journal club and seminar at all times."

Not surprisingly, graduates of the program have a wide variety of career options. "Around 60 percent go into some sort of academic pursuit — at medical schools, small colleges, large state universities, and specialty colleges," says Krulwich. "The next largest group, up to 35 percent, goes into the large pharma or biotechnology companies. A smaller but growing number is going into patent law, venture capital, or management consulting. Some of our Ph.D.s go to medical school and then become physician-scientists. And a lot of our graduates are doing very well as administrators of research programs."

The graduate school has tough standards. It accepts only about 20 percent of roughly 575 individuals who apply each year. Krulwich expects applicants to demonstrate their enthusiasm for graduate study in tangible ways. "We want signs of students' interest in and ability to master cutting-edge areas of contemporary science related to their field of interest," she says. "Of central importance, students must have participated in a really serious research experience so that they can see if they truly love research in a way that will sustain them in this kind of graduate program."

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Graduate Programs

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CARY COOPER

GALVESTON, Texas: Applications to the graduate school of biomedical sciences at the University of Texas Medical Branch have increased in recent years, in part because students from abroad can apply through the school's website. "Out of 350 to 400 applications per year we usually accept around 50," says dean and professor Cary Cooper. "About 25 percent of those accepted are usually international students. We're very much interested in enhancing and maintaining a diverse graduate population."

The course offerings have their own diversity. "Neuroscience has been popular for a long time," notes Cooper. "Last year the really hot area was infectious disease. We have several programs involved in that, including experimental pathology, microbiology, and immunology. We have been growing a program in tropical medicine that includes vaccine development. We formed a center for biodefense out of that group after September 11."

Most of the school's students opt for Ph.D.s. "At any one time we have approximately 275 students enrolled," Cooper says. "On average about 250 are working on Ph.D.s, including about 37 in an M.D.-Ph.D. program that we are growing. The other 25 are working on Master's degrees."

The school has introduced courses to help prepare graduates for their careers. "We're in the second year of a 13-week course in advanced business management for graduate candidates and early postdocs. People from the University of Houston, Clear Lake are coming in to teach it," says Cooper. "We are also looking at how we might access an MBA curriculum, perhaps by distance learning. The students' committee for career development has hosted workshops on grant writing and teaching skills for the past five years; they get standing-room-only attendance."

The graduate school prepares students in other ways. "Students can work in a university center lab with mentors who are naturally collaborative and who provide role models," Cooper points out. "And each of our eight programs in biomedical sciences gets students up on their feet making presentations from the start. They have to present their work to faculty several times a year. We tell them that it's not easy to be successful if you can't communicate."

What should students do to make themselves attractive to the program? "We are very much committed to a holistic view of student applications," Cooper says. "We aren't using just test scores. We want to find out motivation and interest in research experience. We like to see recommendations from undergraduate faculty and even high school teachers."

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JAMES CHAMPOUX

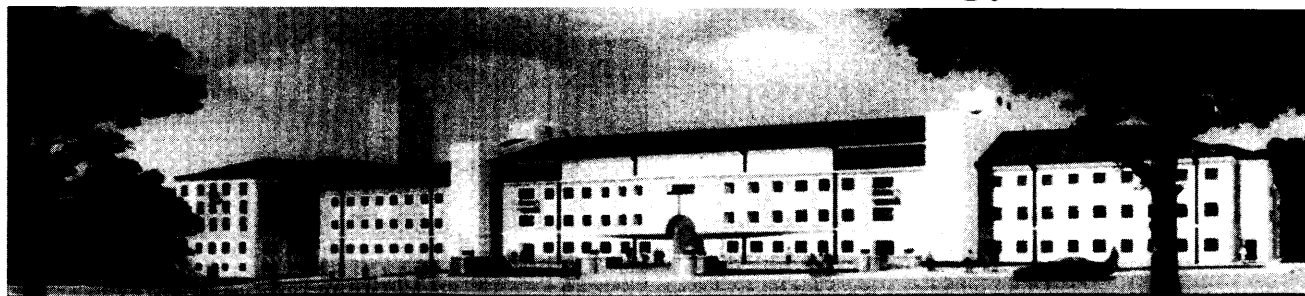
SEATTLE, Washington: "I see a social conscience among students entering our program," says James Champoux, professor of microbiology at the University of Washington. "Many are focusing on disease as an important factor. They come in looking for training in bacterial or viral pathogenesis." Other students have shown interest in astrobiology, a combined program offered by the university's departments of microbiology and astronomy that focuses on microbes living under extreme conditions. "Also hot is the computational side of biology," Champoux adds. "Our department has added real strength in that area. Several of our students are interested in applying the tools of mathematics and statistics to solving biological problems, especially in genomics and proteomics." And the department boasts significant expertise in microarray technology, a field with great appeal to pharmaceutical and biotechnology companies.

The department's ambience of basic research provides plenty of encouragement for students who plan careers in academic or industrial research labs. "We prepare our students for teaching," Champoux says. "As part of their general examination in the third year, they have to write a research proposal. And right from the start they give oral presentations, journal reports, and talks at seminars. They can also attend national meetings to give talks, for which we rehearse them."

Faculty members encourage graduate students to participate in collaborative research. "One of the strengths of the University of Washington is a powerful emphasis on taking advantage of the many resources here," Champoux says. "It's not uncommon for students working on their Ph.D. theses to collaborate with people in the chemistry, biology, genome science, or math departments. My own students have collaborations with biochemists."

The microbiology department doesn't offer specific courses on the business side of life science. However, Champoux says, "If they have a compelling reason, our students can take part in a large umbrella program offered by Washington's molecular and cell biology department that allows them to spend a quarter in a biotechnology company."

Graduate Program in Cell and Molecular Biology



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of their graduate education. UT Cell and Molecular Biology graduate students are well funded and receive intensive training through a core curriculum, small seminar courses and access to a variety of seminar speakers. Each student may choose to conduct thesis research in the laboratory of any one of the participating faculty members.

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Graduate Programs

What qualities does Champoux seek in applicants for his graduate program? "The obvious thing to do is get good grades," he says. "More important, and really to the point of what we're all about, do undergraduate research. We're looking for people who have had fairly extensive experience of research — perhaps one and a half to two years. So get into a lab early as an undergraduate."



DAVID DEGROOTE

ST. CLOUD, Minnesota: The biological sciences department at St. Cloud State University offers Master's training in two broad areas. A degree in ecology and natural resources biology prepares students for work in outdoor life science. "There's great interest in Minnesota in outdoor ecology, wildlife ecology, and aquatics," explains David DeGroote, professor and chair of biological sciences. "Graduates hope for employment with the fish and wildlife and natural resources departments." The course in cell, molecular, and organismal biology, meanwhile, is designed for students who seek careers in biotechnology, developmental biology, physiology, plant molecular biology, microbiology, immunology, or genetics. It has particular appeal for students who want to teach at community colleges.

Graduate students who have had relatively little training in biotechnology also can participate in the department's undergraduate course in that subject. "That provides some fairly sophisticated laboratory skills," says DeGroote. "Those people get snapped up pretty fast."

The overall program aims to provide graduate students with career-building skills. "Our big kick is written and oral communication," DeGroote says. "Employers have told us that our students weren't communicating as well as they should. We found that they were not receiving the necessary skills in formal science writing. Now we know that students leaving here will be good science writers, able to compose letters to the editor, write grant proposals, and prepare research papers. They will know how to organize material so that they don't confuse their audiences."

The courses pay particular attention to teaching skills. Pretty much all our graduate students have appointments as teaching assistants," DeGroote says. "We have a science coordinator who talks to students about teaching and dealing with freshmen in particular."

Department faculty also encourage collaborations on research projects, in recognition of the way in which industrial and academic scientists now conduct their laboratory work. "We make it clear that students are not islands entire of themselves," says DeGroote.

Like other academic institutions, St. Cloud State looks for graduate life scientists with research experience. "GRE scores are good. GPAs are good. But the factor that really helps applications is undergraduate research," DeGroote says. Academic recommendations also carry weight. "The letter of support has to be something that allows the graduate committee here to know that the student is really interested in graduate school and will bring some talent and desire to a particular aspect of biology," he continues. "We need a good personal statement."



JOEL PARDEE

NEW YORK, New York: The Weill Graduate School of Medical Sciences of Cornell University has a rigorous and intriguing entry process. "Our standards are designed to attract the best and brightest students of science," says associate dean Joel Pardee. "Last year we had 450 applicants. Of those, we invited 125 to come to the university free of charge for a weekend during which we interviewed them and took them to restaurants, shows, and cultural events that introduced them to the New York City experience. We offered acceptances to 90 of the 125, and 60 came."

Acceptance provides more than a strong graduate program. "We pay graduate students a stipend of \$25,800 per year," says Pardee. "We pay for all tuition, full health insurance coverage, subsidized apartment housing and cut-rate tickets to the theater and other cultural events. We want them to enjoy the nearly unlimited cultural experiences New York City has to offer."

Academically, all students take the admission to candidacy examination at the end of their second year and embark on a Ph.D. program. Pardee, who is also an associate professor of cell biology and anatomy, has noticed an emerging student interest in discipline-driven areas of concentration, including cancer biology, chemical biology, computational biology, developmental biology, immunology, medical genetics, and structural biology. Molecular pharmacology and neuroscience are popular as well. And there's a lot of interest in the medical applications of fundamental biology and genetics. "Specialized biomedical science seems intriguing now," he says. "This is especially attractive in our tri-institutional setting composed of Memorial Sloan-Kettering Cancer Center, Rockefeller University, and Weill Medical College of Cornell University."

Graduates' career paths are quite varied. "Our mission is to train research scientists. About 85 percent go on to a postdoctoral fellowship in anticipation of an academic post or go directly into biotechnology and research," says Pardee. "But a growing number of students are interested in consulting, patent law, and international health issues." The school aims to give students information about possible careers by sponsoring a monthly career pathways seminar series that features speakers from academia, industry, government, law firms, and other prospective employers. "We run the seminars concurrently with recruitment, so that seniors can set up job interviews on the spot," Pardee adds.

Other student seminar series focus on developing communication skills. Each student gives seminars each year to fellow students and faculty, all of whom evaluate the presentations. Students also present their work at annual retreats, and at the Vincent duVigneaud Research Symposium, the schoolwide celebration of science. To further their exposure to the science community, the school provides funds for all students to travel to national scientific meetings and courses.

The school looks closely at applicants who have GREs in the 80th percentile. However, Pardee says, "The most critical point is a demonstration that you have real interest in becoming a biomedical scientist. That's most easily satisfied by having done productive research." ■

For further valuable career features, go to **sciencecareers.org**, then click on **Advice and Perspectives**.



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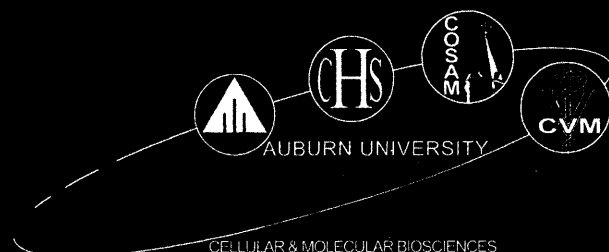
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CONTACT THE PQB

Julie Ransom, *Program Administrator*
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Contacts: Anne V. Clough, Co-Director, Bioinformatics, clough@mscs.mu.edu
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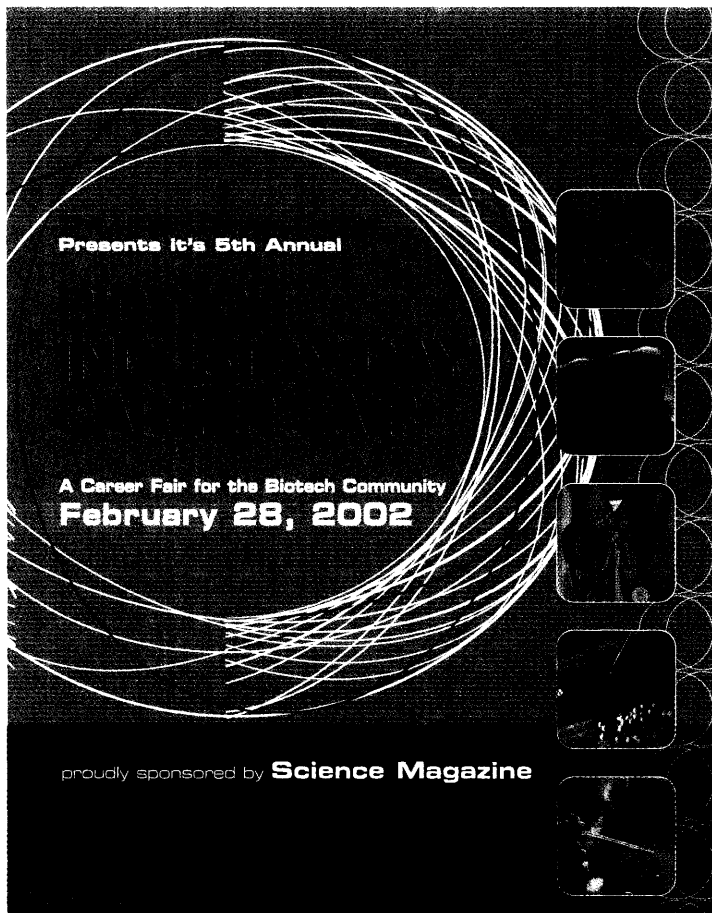
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The FOM institute for atomic and molecular physics AMOLF (in Amsterdam, Netherlands) is one of the leading mainstream physics laboratories in the world. A strategic decision has been taken that within the coming years, the research programme of the institute will move strongly into the field of biomolecular physics/physics of biological processes, building on its strengths in soft condensed matter physics, macromolecular mass spectroscopy, nanoscience and ultrafast laser spectroscopy. A recent decision to construct a new building for FOM-AMOLF in the near future shows the commitment of various parties in the Dutch science policy scene to ensure a healthy future for the institute. The FOM organisation invites applications for the position of

DIRECTOR of the FOM INSTITUTE AMOLF

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Candidates should submit applications including a curriculum vitae, list of most important publications, a resume with a statement of research interests and a description of management experience before 1 April 2002 to the Director FOM, P.O. Box 3021, 3502 GA Utrecht, the Netherlands.

TENURE-TRACK FACULTY POSITION

ASSISTANT PROFESSOR FACULTY POSITION. The Department of Carcinogenesis at The University of Texas M. D. Anderson Cancer Center, Science Park - Research Division, is completing a new recruitment phase and expansion into new laboratories. Applications are being accepted for a tenure-track faculty position at the Assistant Professor level from individuals with 3-5 years postdoctoral or independent research experience and strong publication record. We seek applicants working in the general area of molecular and genetic mechanisms underlying cancer development. Preference will be given to applicants who complement existing research strengths in the department, which include animal model development (including transgenic and knockout mice), DNA repair, signal transduction, cell cycle control, apoptosis, hormonal and environmental carcinogenesis, genomics/proteomics, and chemoprevention. Successful applicants will be expected to establish high-quality, independent research programs and participate in our graduate training program. The Science Park - Research Division is located in a rural park-like setting in Smithville, Texas, just outside of the state capitol of Austin, in the beautiful Texas hill country. Ongoing research activities of the faculty are described in our website at <http://sciencepark.mdanderson.org/>. Excellent start-up funds, salary, and benefits package will be provided as well as access to numerous state-of-the-art equipment, communication, research and service facilities.

Submit curriculum vitae, two representative publications, a brief outline of current and future research plans, and three letters of reference by **February 20, 2002** to: **Dr. David G. Johnson, Chair, Search Committee, c/o Mrs. Mary Lou Fendley, UT M. D. Anderson Cancer Center, Science Park - Research Division, P.O. Box 389, Smithville, TX 78957.**

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Science

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Science is soliciting applications for an Associate Online Editor. This individual will work with a new editorial team developing editorial content for *Science* Online. Responsibilities include assisting in handling the review, editing, and selection of Technical Comments (published in *Science* Online), coauthoring a monthly electronic newsletter, and helping to develop *Science's* Functional Genomics Web site and launch other editorial content in *Science* Online. We seek applicants with broad interests in science and electronic publishing and familiarity with communicating technical information in electronic formats. Applicants should have at least a B.S. degree in a scientific field and 5 years of experience in science, editing, and/or electronic publication. This position is for our Washington, DC, office.

To apply, please submit a cover letter describing your qualifications and salary requirements, résumé, and contact information for three or more references to:

Mr. Gregory Stokes
American Association for the Advancement of Science
Human Resources Department, Suite #100
1200 New York Avenue, NW
Washington, DC 20005

EEO/Nonsmoking work environment

EDUCATION

1997

Ph.D. Graduation Date: June 31, 1997
Department of Immunology - Cornell University Medical College
Department of Immunology - Cornell University Medical College

1993

Graduate of Science Department of Washington University

AWARDS AND HONORS

1996-1997

Research Fellowship from the Graduate School of Cornell University

1995

Alpha Chi Lambda

1991-1992

Dean's List

1990

Alpha Chi Lambda

FOOTNOTES

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1. *Science* June 2001 BPA Publisher's Statement.

2. *Science* Harvey Research Readership Surveys: 14 January 2000, 4 February 2000, 4 June 1999 (Japan) as applied to *Science* June 2001 BPA Publisher's Statement, publisher's own data.

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**ACADEMIC COORDINATOR FOR
INTRODUCTORY BIOLOGY
(Biological Sciences 1B)**

Applications are invited for a position in the Section of Evolution & Ecology, Division of Biological Sciences, University of California at Davis, effective July 1, 2002. Biological Sciences 1B is one of three introductory courses; it covers the mechanisms of evolution and animal diversity. The Academic Coordinator oversees the labs, supervises the teaching assistants and support staff, and teaches one lab section per year, in addition to contributing to course improvement. This is a 9-month position with an initial three-year appointment. A Ph.D. in the biological sciences is required, along with an understanding of modern biology, including recent advances in evolution and phylogeny; the willingness to keep abreast of scientific change; extensive experience teaching in the labs of BIS 1B or an equivalent course; and a genuine interest in teaching biology. Excellent interpersonal skills are needed. Demonstrated experience in effective administration or management preferred, as is knowledge of metazoan biology and diversity.

An expanded job description is available at <http://eve.ucdavis.edu>. Position open until filled. Applications must be received by March 1, 2002 for full consideration. Please send a letter of application and curriculum vitae, and have two letters of recommendation sent to: **Dr. Susan Keen, Director of BIS 1B, Section of Evolution and Ecology, University of California, One Shields Avenue, Davis, CA 95616-8755.**

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

**CONSORTIUM for CONSERVATION
MEDICINE
Assistant Director**

The CCM announces two openings. We seek an ASSISTANT DIRECTOR starting May-June 2002. This position requires a PhD, DVM or MD, a strong interest in the linkage between conservation and human/wildlife/plant health and a proven record of grant writing and publication. The Asst. Dir. will have responsibility for one or more of the CCMs programs. These include emerging diseases and pathogen pollution, landscape scale disease ecology, marine health and the health impact of climate change. The successful applicant will liaise with the Executive Director and consortium partners to plan and develop new initiatives in research, education and practical conservation medicine.

We also seek a PROGRAM ASSISTANT, with an undergraduate degree in the biological sciences and postgraduate qualifications/experience. Duties include assisting the CCM directorate with research and program coordination. Applicants should send a full CV and cover letter indicating the position applied for, their aims in the field of conservation medicine, and names and addresses (incl. e-mail) of 4 references to: **Dr Peter Daszak, Executive Director, CCM, LDEO, 61 Route 9W, Palisades, New York 10964.** Closing date: April 15, 2002.

The CCM links centers of excellence at Harvard Med School, Tufts School of Vet Med, USGS National Wildlife Health Center and Wildlife Trust. We are based at the Lamont-Doherty campus of Columbia University, in pleasant surroundings 25 minutes north of New York City. To learn more about the CCM, or these positions, visit <http://www.conservationmedicine.org> or email daszak@conservationmedicine.org

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As part of a multi-disciplinary team in the PDM Discovery section (ADME Tech group), you will develop and grow oral absorption core competency in PDM discovery. Additionally, you will implement new assays, methods and technologies related to drug transporters, oral drug absorption and drug disposition while providing technical expertise and leadership in problem solving drug transport/oral absorption issues within discovery. This position requires a PhD in Pharmaceutical Science, Pharmaceutical Chemistry, or a related discipline, a minimum of 3-6 years academic or industrial experience (including 2-3 years supervisory experience), and a proven track record in the field of drug transport/oral drug absorption. Req. #04Sep0107278

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Global Research & Development

POSITIONS OPEN

INVESTIGATOR POSITIONS AVAILABLE (TENURE OR TENURE TRACK) Stem Cell Biology/Hematopoiesis Experimental Transplantation and Immunology Branch Center for Cancer Research National Cancer Institute

The Experimental Transplantation and Immunology Branch of the Center for Cancer Research, NCI, invites applications for a laboratory-based Investigator position in stem cell biology/hematopoiesis. Candidates must have an M.D. or Ph.D., a strong record of accomplishment, and the potential of establishing an internationally recognized independent program in the molecular and/or cellular biology of stem cell function and differentiation. This program will have the goal of developing information, principles, and/or applications complementing and extending existing laboratory and clinical research efforts in the Branch.

Successful candidates will join the Experimental Transplantation and Immunology Branch that includes in its membership basic science and clinical investigators carrying out studies in immunology, vaccine biology, gene transfer, angiogenesis, and stem cell transplant/immune therapies. This position provides full salary support and an independent substantial budget along with technician and Fellow support.

Applicants should send curriculum vitae and statement of the candidate's proposed research program to:

Dr. Giovanna Tosato
Chairman, Search Committee
c/o Jason M. Ford
Experimental Transplantation and
Immunology Branch
National Cancer Institute
Building 10, Room 12N226
10 Center Drive, Bethesda, MD 20892-1906

Applications must be received by close of business March 15, 2002. *The National Cancer Institute is an Equal Employment Opportunity/Affirmative Action Employer that values and fosters diversity throughout the entire organization.*

DIRECTOR Technology Transfer Office University of Regina

The Technology Transfer Office is being established to build the incubation and commercialization of research capabilities of the University of Regina and its Research Park. For more information about the University of Regina, consult website: <http://www.uregina.ca>.

The Founding Director will provide the leadership required to develop a strategy and operational plan to commercialize inventions and discoveries; to develop partnerships with industry, business, and government; to maximize funding opportunities and to protect intellectual property; and then to oversee its implementation.

Should you want to learn more about this unique leadership opportunity, go to website: <http://www.provenceconsulting.com>.

FACULTY POSITION MOLECULAR/CELL BIOLOGY The University of Chicago

The University of Chicago seeks outstanding candidates for tenure-track faculty; rank will be commensurate with experience and qualifications.

Candidates who have scientific interests and experience in any field of cancer biology including but not limited to biology, tumor suppressor genes, oncogenes, cancer genetics, signal transduction, angiogenesis, apoptosis, and translational research should send a letter of interest, curriculum vitae, and names of references to: **Dr. Ralph R. Weichselbaum, Professor and Chairman, Department of Radiation and Cellular Oncology, 5758 South Maryland Avenue MC9006, Chicago, IL 60637. FAX: 773-834-7233; e-mail: rrw@radonc.uchicago.edu.**

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

POSITIONS OPEN

CHAIRMAN Molecular Genetics and Cell Biology The University of Chicago

The Division of the Biological Sciences, which includes The Pritzker School of Medicine at the University of Chicago, is seeking a Chairman of the Department of Molecular Genetics and Cell Biology. This is a multidisciplinary department with approximately 30 faculty in the fields of cell biology, developmental biology, genetics, plant biology, microbiology, and virology. The Chairman reports to the Dean of the Division and is responsible for providing academic and administrative leadership in research and teaching of undergraduate, graduate, postgraduate, and medical students. The successful applicant will have an outstanding record of scientific accomplishment and demonstrated teaching and administrative abilities that will qualify him/her for the rank of **PROFESSOR**. Please send curriculum vitae and the names of three individuals familiar with your work to:

Dr. Janet D. Rowley, Interim Deputy Dean for Science, The University of Chicago, 5841 South Maryland Avenue, MC1000, Chicago, IL 60637. Applications should be submitted by March 1, 2002. *The University of Chicago is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITIONS Weill Medical College of Cornell University Department of Pharmacology

Candidates are sought for tenure-track positions at the level of **ASSISTANT PROFESSOR**. Areas for recruitment include cardiovascular pharmacology, clinical pharmacology, toxicology, drug metabolism, and cancer pharmacology. The responsibilities of this position include development of an active, independent research program and participation in both medical and graduate student teaching programs in the Department. Applications should send curriculum vitae, proposed research, a description of their interest in pharmacology, and should arrange to have letters sent from at least three Scientists who can evaluate the candidate's accomplishments. Weill Medical College of Cornell University is a part of the New York Presbyterian. Weill Cornell Medical Center is adjacent to Memorial Sloan-Kettering Cancer Center and Rockefeller University. Applications should be sent to: **Chair, Pharmacology Search Committee, Box 70, Pharmacology Department, Weill Medical College, 1300 York Avenue, New York, NY 10021. FAX: 212-746-8858. Equal Employment Opportunity/Affirmative Action/Minorities/Females/Disabled.**

ENVIRONMENTAL STUDIES San José State University

ASSISTANT or ASSOCIATE PROFESSOR. Ph.D. in physical or natural sciences preferred. Technical, analytical, or policy skills in energy or water resources preferred; other fields of environmental science and studies will be considered. Basic duties: Teach and advise undergraduate and M.S. students; conduct research. Applicant should have a strong background in quantitative methods and should be a Scientist/Analyst with experience solving environmental issues. To apply, send letter of application, curriculum vitae, names of three professional references, and copy of graduate transcripts to: **Dr. Lynne Trulio, Chair, Search Committee, San Jose State University, San Jose, CA 95192-0115.** Applications must be postmarked by March 1, 2002. For further information, e-mail **Dr. Trulio**; e-mail: ltrulio@email.sjsu.edu. *SJSU is an Equal Opportunity/Affirmative Action Employer. Reasonable accommodations are made for applicants with disabilities.*

POSTDOCTORAL POSITION available immediately in the areas of gene therapy and molecular imaging. Strong background in molecular biology and/or *in vivo* NMR imaging is desirable. Send curriculum vitae and names of three references to: **Dr. Hyunsuk Shim, Emory University, Winship Cancer Institute, Suite B4100, 1365-B Clifton Road, N.E., Atlanta, GA 30322. E-mail: hyunsuk.shim@emoryhealthcare.org.**

POSITIONS OPEN

The WWAMI medical education program at the University of Alaska Anchorage seeks an **ASSISTANT or ASSOCIATE PROFESSOR** with the capability to teach pathology in our first-year medical school curriculum and the demonstrated potential to establish an extramurally funded research program. WWAMI is a cooperative arrangement between UAA, the University of Washington School of Medicine, and the other states in the WWAMI consortium. This is a tenure-track, nine-month position requiring a Ph.D. or M.D. and postdoctoral experience in a relevant field. Candidates with research programs that complement those of other UAA faculty are especially sought, but all areas of investigation will be fully considered. Facilities for housing mammals are not available on campus. Our research interests include gene expression in vertebrate development, neurophysiology, therapeutic gene delivery, rehabilitation engineering, and toxicogenomics. Please see website: <http://www.uaa.alaska.edu/biomed> for details.

To apply, submit a letter summarizing research and teaching experience, vision for a research program, and reasons for wishing to locate in Alaska. Specify PCN Number 301131 for this position. Also include your curriculum vitae and names and contact information for three references. Send to: **Pathology Search, UAA Human Resource Services, University of Alaska Anchorage, 3211 Providence Drive, Anchorage, AK 99508-8136.**

Review of applications will begin February 15, 2002, and will continue until the position is filled. Further information can be found at website: <http://www.finsys.uaa.alaska.edu/uaahrs/>.

TENURE-TRACK/TENURED FACULTY POSITIONS Virology and Medical Microbiology

The Department of Microbiology and Immunology, Finch University of Health Sciences/The Chicago Medical School, is seeking two **ASSOCIATE PROFESSORS** with strong publication records and current extramural research funding in the fields of virology and medical microbiology emphasizing molecular pathogenesis and immunology, teaching medical and graduate students and directing training of Doctoral and/or Postdoctoral research trainees. The Department has established strength in the areas of molecular biology, immunology, and host-parasitic relationships. Excellent laboratory space and facilities, substantial start-up funds, and a competitive salary will be provided.

Applicants should send curriculum vitae, a summary of research accomplishments and future research plans, and names of three references to: **Yoon B. Kim, M.D., Ph.D., Professor and Chairman, Department of Microbiology and Immunology, Finch University of Health Sciences/The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. Finch University of Health Sciences/The Chicago Medical School is an Equal Opportunity Employer.**

Two **ASSISTANT PROFESSORS**. The Hawaii Institute of Marine Biology is seeking two faculty members for tenure-track, 11-month positions. HIMB would like to hire colleagues whose research programs incorporate molecular techniques to examine (1) the dispersal of marine organisms in ocean and estuarine environments or (2) the biology of coral reefs. HIMB is a member of the School of Ocean and Earth Sciences Technology of the University of Hawaii. It is located on an island surrounded by coral reefs in Kaneohe Bay. Please view our facilities at website: <http://www.hawaii.edu/HIMB>. Please send curriculum vitae, three letters of recommendation, official transcripts, three representative publications, and a statement of research goals to: **Jo-Ann Leong, Director, HIMB, P.O. Box 1346, Kaneohe, HI 96744. Telephone: 808-236-7401; e-mail: joannleo@hawaii.edu.** Closing date: March 1, 2002, or until filled. *Equal Employment Opportunity/Affirmative Action Employer.*

Molecular Genetics Postdoctoral Position

We recently helped clone the *MEN1* gene, a novel tumor suppressor that has important roles in human tumors. It encodes menin, a nuclear protein that inhibits junD-mediated transcription. We are studying menin roles in normal and abnormal cells. Projects include protein-protein interactions, over or under expression in mammalian and non-mammalian systems, and interactions with DNA and reporters. Many novel approaches are possible. Applicants should have a doctoral degree and an excellent background in biochemistry or in one or more relevant topics. Applicants should not be more than 5 years beyond the most recent doctoral degree. NIH is an EEO employer. Send applications with contact information for three references to:

**Stephen Marx MD,
Bldg. 10 Rm. 9C-101
NIH, Bethesda, MD 20892.**

**Or use e-mail:
(StephenM@Intra.NIDDK.NIH.GOV)
or fax (301) 496-0200**

GPC Biotech is a transatlantic biotech company committed to using genomics and proteomics to accelerate and optimize drug discovery and development.

GPC Biotech completed a very successful IPO in May 2000 on the Neuer Markt in Germany and has research facilities in Munich and Waltham.

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We are expanding our proteomics team in Waltham, MA, USA, and have several Ph.D.-level positions available. The successful candidates will work independently in a team-oriented environment to establish and implement protein-protein interaction screening technologies and apply these to various target/drug discovery programs. Each candidate must be proficient in a broad range of molecular biology techniques.

Experience with yeast and the yeast-2-hybrid system or other protein interaction technologies is a plus and is required for the most senior position, for which industry experience is also a plus.

GPC Biotech Inc. offers competitive salaries, benefits and a chance to work in an exciting scientific environment. Please send your resume to: **Human Resources, GPC Biotech Inc., 610 Lincoln St., Waltham, MA 02451; Fax: 781-890-9005; Email: hr.waltham@gpc-biotech.com**



GPC biotech

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@ www.gpc-biotech.com

Biotechnology



GENOMICS INSTITUTE OF THE NOVARTIS RESEARCH FOUNDATION

PHARMACOLOGY

We currently seek a skilled leader in Pharmacology to design and implement strategies for preclinical in vitro and in vivo pharmacokinetics, pharmacodynamics and drug metabolism studies. Direct experience with design and implementation of small molecule detection, LC-MS, in biological matrices will be required. Innovativeness will be essential to take advantage of our unique technology and fast paced environment. Successful candidates will help lead a multidisciplinary drug discovery team and participate in initiating in vivo efficacy models. Solid leadership, communication and writing skills are a must. For consideration, the candidate should have a Ph.D. in Pharmacology or related field with hands on experience in development of PK/ADME studies. 3 - 5 years' industry experience is desired. Additional BS/MS positions are also available. **Job Code: CW1**

TOXICOLOGY

We currently seek skilled individuals to take on leadership roles in development of in vitro/in vivo toxicology screening for drug discovery. Successful candidates will implement classic in vitro and in vivo toxicology screening and develop novel ultra high throughput methodologies in support of our fast-paced environment. This position requires direct involvement in multidisciplinary drug discovery teams focused on product development. Direct interaction with MedChem and Informatics will also be involved for development of in silico predictive modeling. Strong supervisory skills, communication and writing skills are imperative. The ideal candidate will have a Ph.D. in Toxicology or related field with hands on experience in development and implementation of Toxicology studies required for drug discovery. 3 - 5 years' industry experience is desired. Automation experience would be beneficial. Additional BS/MS positions are also available. **Job Code: CW2**

LEAD DISCOVERY SCIENTISTS – IMMUNOLOGY/INFLAMMATION/NEUROBIOLOGY

Ph.D. level staff scientist positions available in the Lead Discovery group to develop small molecule therapeutics using GNF's state-of-the-art ultra high throughput screening system. Duties include high-throughput assay design, development and implementation. Expertise in the application of in vitro and in vivo models of Immunology, Inflammation or Neurobiology to the discovery and development of therapeutics is especially desirable, as is the ability to interface well with other teams at the highly interactive, multidisciplinary Institute. We seek highly motivated individuals with a strong desire to discover novel therapeutics for the treatment of human disease. **Job Code: MC**

SIGNAL TRANSDUCTION BIOLOGIST

Staff Scientist level position requiring 3+ years' postdoctoral experience and a strong record of accomplishment in the field of protein kinase signaling. Individuals must have experience working with protein kinases on a cellular and molecular level. The successful applicant will be responsible for leading small molecule kinase inhibitor discovery programs. Specific responsibilities will include: target selection, development and implementation of cellular and protein-based assays, and interaction with animal models/pharmacology group. Industry experience a plus. **Job Code: NG**

Please submit C.V. and any supporting documents to: Genomics Institute of the Novartis Research Foundation (GNF); Job Code: (specify), 3115 Merryfield Row, Suite 200, San Diego, CA 92121, Fax: 858/812-1670, Email: jobs@gnf.org (subject line must include Job Code)

The Genomics Institute of the Novartis Research Foundation (GNF) located in the Torrey Pines area of San Diego, CA, is funded by the Novartis Research Foundation and dedicated to the development and application of new methods and techniques for genome-wide biological discovery and biomedical research. GNF offers excellent compensation and a great benefit package. EOE

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POSITIONS OPEN

ASSISTANT PROFESSOR Computational Neurobiology

The Department of Neurobiology and Anatomy at the University of Texas Health Science Center at Houston Medical School, invites applications for a tenure-track Assistant Professor with an emphasis in computational neurobiology. This position is associated with The University of Texas Center for Biomedical Engineering (UTCMME), a joint educational and research program between The University of Texas Health Science Center at Houston, The University of Texas M.D. Anderson Cancer Center, and The University of Texas at Austin. Highly qualified candidates with a strong emphasis in computational approaches to neurobiology must have a Ph.D., M.D., or equivalent degree. The successful candidate will be expected to pursue independent research and take part in the teaching missions of the Department of Neurobiology and Anatomy and the Department of Biomedical Engineering, University of Texas at Austin. Qualified applicants are invited to submit their curriculum vitae, a brief description of research accomplishments and goals, representative scholarly journal articles, teaching interests, and three letters of recommendation to:

Michael Mauk, Chair
Computational Neurobiology Search Committee
Department of Neurobiology and Anatomy
University of Texas Health Science Center
at Houston
6431 Fannin Street, MSB 7.046
Houston, TX 77030
E-mail: m.mauk@uth.tmc.edu

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ASSISTANT or ASSOCIATE STAFF SCIENTIST POSITION is available in the Plant Biology Division of the Samuel Roberts Noble Foundation, Inc. The SRNF is a world leader in basic plant biology research, emphasizing integration of biochemistry, molecular biology, and genetics for understanding plant-microbe interactions and the biosynthesis and manipulation of plant natural products. Several of its programs center on the use of *Medicago truncatula* as a model forage legume. Position is available at the Assistant or Associate level (equivalent to Assistant or Associate Professor). The successful applicant will have a proven track record in the application of cell or molecular biology approaches to basic questions in plant biology. Preference given to candidates whose research complements one of the following areas: plant-microbe interactions (fungal, bacterial, or viral, symbiotic, or pathogenic); metabolic engineering; or model legume functional genomics. Please visit our website: <http://www.noble.org> for online application forms and additional details. Informal inquiries can be made to: **Dr. Richard Dixon, Director, Plant Biology Division; Telephone: 580-224-6601; e-mail: radixon@noble.org.** The Foundation is an Equal Opportunity Employer.

SENIOR ASSOCIATE DIRECTOR Center for Behavioral Neuroscience

Emory University seeks a Senior Associate Director to direct the implementation and development of the Center's strategic plan (website: <http://www.cbn-atl.org>). This position will work with faculty and students at eight institutions of the Center and will be responsible for coordinating the Center's various meetings, reports, and databases as well as facilitating collaborations with representatives from private, government, and international agencies. Qualified candidates must have a Ph.D., five years of experience in research, and previous experience with program management. Experience in the private sector and/or technology transfer preferred but not required. Salary range: \$70,000 to \$80,000. Please send reference Job Number CBN3707 when sending résumé to: **Center for Behavioral Neuroscience, Emory University, 954 Gatewood Road, Atlanta, GA 30322.** Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

The University of Texas at Austin invites applications and nominations for **DIRECTOR** of the newly established Center for Computational Biology and Bioinformatics. In its less-than-one-year history, the Center has attracted more than 40 faculty participants representing 11 departments in three colleges. In addition, Center participants have thus far received \$4.3 million in grants for research projects relating to computational biology as well as a \$2.7 million Integrative Graduate Education and Research Traineeship (IGERT) grant for graduate training in computational and applied phylogenetics. For more information about the Center, go to website: http://www.biosci.utexas.edu/ib/comp_bio/index.htm. The successful candidate will play a pivotal role in furthering the Center's mission of promoting long-term interdisciplinary interactions between Computational and Biological Scientists and must have an earned Doctorate and a demonstrated record of accomplishment in research and management appropriate for appointment at the **FULL PROFESSOR** level in one of the Center's participating departments. The position is available 1 September 2002 or as negotiated. Review of applications will begin 1 February 2002 and will continue until the position is filled. Please submit a letter of interest; statement of experience; curriculum vitae; and names of three references (including address, telephone, and e-mail address) to:

Professor David M. Hillis
Chairman, Director Search Committee
Center for Computational Biology
and Bioinformatics
Mail Code C4500
The University of Texas
Austin, TX 78712

ASSISTANT PROFESSOR OF BIOLOGY (Genetics)

Hofstra University invites applications for a full-time, tenure-track Assistant Professor position in the Department of Biology. We are looking for a Geneticist or Cytogeneticist. The research area within genetics is open; however, the individual should be able to teach a graduate course in cytogenetics as well as undergraduate courses in general genetics. We seek individuals who are able to teach undergraduate majors and nonmajors as well as Master's students and to maintain an active research program accessible to both undergraduate and Master's research students. Applicants must have the Ph.D. and demonstrated teaching ability; postdoctoral experience is preferred. Please submit a letter of application, curriculum vitae, statements of research and teaching interests, and have three letters of recommendation sent to the following address (no e-mail submissions): **Genetics Search, Department of Biology, Hofstra University, Hempstead, NY 11549-1140.** Application materials are due 1 March 2002. Additional information is posted on the website: http://people.hofstra.edu/faculty/dorothy_e_pumo/genetics.htm. Hofstra University is an Equal Opportunity Employer.

SENIOR ECOLOGIST

We seek applications from established Scientists in any subdiscipline of ecology for a tenured faculty position at the **ASSOCIATE or FULL PROFESSOR** level. The person will be expected to establish a vigorous research and graduate program, participate in Department teaching and other activities and, most importantly, assume scientific leadership of the Sevilla Long Term Ecological Research project. Additional information is available at website: <http://sevilla.unm.edu/~bmilne/seniorecol.htm>. Applications consisting of a signed letter of intent; curriculum vitae; statements of research and teaching interests; and five letters of recommendation must be sent to: **Senior Ecologist Search Committee, Dr. James H. Brown, Chair, Department of Biology, University of New Mexico, Albuquerque, NM 87131 U.S.A. before March 25, 2002.**

UNM is an Equal Opportunity/Affirmative Action Employer and Educator.

POSITIONS OPEN

CHAIRPERSON, DEPARTMENT OF BIOMEDICAL TECHNOLOGIES The University of Vermont School of Allied Health Sciences

The University of Vermont School of Allied Health Sciences is seeking nominations and applications for the position of Chair of the Department of Biomedical Technologies. The Chairperson will have administrative leadership responsibility for the undergraduate and graduate programs in biomedical technology, medical laboratory science, nuclear medicine technology, and radiation therapy. The successful candidate will be a dynamic leader with excellent interpersonal skills and a track record of scholarship. Specific responsibilities include curriculum development, program assessment, budget management, daily operations, faculty development and evaluation, and participation in faculty and student recruitment activities. The candidate will maintain and foster linkages between the Department and affiliated clinical sites as well as in the University Community. A demonstrated commitment to excellence in teaching, research, and service is essential.

Applicants must have an earned Ph.D. or a relevant health sciences Doctoral degree. Preference will be given to candidates with certification or an undergraduate degree in one of the disciplines offered in the Department. Administrative experience in an academic institution and with professional accrediting bodies is required. The successful candidate must be eligible for appointment at the **ASSOCIATE PROFESSOR** rank. A record of accomplishments in an independent and externally funded research program is desirable.

The University of Vermont, located in Burlington on the shores of Lake Champlain and minutes from the Green Mountains, offers many cultural and recreational activities. The nine Colleges and Schools of the University have an undergraduate enrollment of 7,000. Graduate, medical, and continuing education students bring the total to over 10,000. The School of Allied Health Sciences exists in a vibrant academic environment that fosters collaborative relationships with the School of Nursing, the College of Medicine, and Fletcher Allen Health Care, Vermont's academic health center. The School of Allied Health Sciences and the School of Nursing are in the process of redesigning to become a College of Nursing and Health Sciences.

Applications will be accepted until the position is filled; however, we strongly encourage the submission of materials by March 1, 2002. For confidential consideration, please send curriculum vitae and letter of interest to: **Catherine Donnelly, Ph.D., c/o Wanda Bean, Department of Biomedical Technologies Search Committee, 301 Rowell Building, The University of Vermont, Burlington, VT 05405.** Visit us at website: <http://www.uvm.edu>. The University of Vermont is an Affirmative Action/Equal Opportunity Employer and encourages candidacies of women, people of color, and people with disabilities.

CHAIR OF BIOLOGY DEPARTMENT Northwest Missouri State University

Entomologist/Plant Ecologist; tenure-track **ASSISTANT or ASSOCIATE PROFESSOR**. Closing date is March 8, 2002, or until filled. Ph.D. in a biological science and previous administrative experience are required. The Chair teaches a 75% load that includes general biology, entomology, methods in plant ecology, senior seminar, and other courses as appropriate. For application details, see website: http://www.nwmissouri.edu/~hrwebpg/biodept_chair.html.

BIOLOGY SCIENCE FELLOWSHIPS CUNY

The Ph.D. Program in Biology of The Graduate Center of the City University of New York invites applications for 16 Science Fellowships with a competitive support package to be awarded for fall 2002. Specializations including molecular and cell biology, neuroscience, ecology, or plant sciences may be pursued at one of six senior college campuses and three affiliated institutions. For application information, visit our website: <http://web.gc.cuny.edu/biology>.



RESEARCH ASSOCIATE POSITIONS
Molecular Pharmacology and Experimental Therapeutics
Rochester, Minnesota, U.S.A.

Four positions available in the Computer-Aided Molecular Design Laboratory (CAMDL, "www.mayo.edu/research/pang"): two Ph.D.-level computational biologists with protein-modeling experience; and a biochemist or pharmacologist with at least an MS degree and experience of *in vitro* and *in vivo* testing of therapeutic agents; and a computer programmer with at least a BS degree and knowledge of parallel computing and statistical mechanics. Salary and benefits are competitive. Mayo Clinic has an annual research budget of more than \$100 million and CAMDL receives extramural funding of close to \$1 million/yr.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic Rochester is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment.

Please send curriculum vitae and bibliography, summary of past accomplishments, and the names of three references to:

Dr. Yuan-Ping Pang
Mayo Clinic Rochester
Guggenheim 711A
200 First Street SW
Rochester, MN 55905
E-mail: pang@mayo.edu

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

DIRECTOR
NATIONAL RADIO ASTRONOMY OBSERVATORY

Associated Universities, Inc. (AUI) invites nominations and applications for the position of Director of the National Radio Astronomy Observatory (NRAO). NRAO's mission is to conceive, design, construct and operate forefront radio telescope systems for scientists in the astronomical community and to develop complementary programs for education and public outreach in this field. AUI, a non-profit corporation with headquarters in Washington, D.C., manages the NRAO for the National Science Foundation (NSF).

Headquartered in Charlottesville, Virginia, NRAO's facilities include the Very Large Array in New Mexico, the Very Long Baseline Array (with stations at ten U. S. locations), and the Robert C. Byrd Green Bank Telescope (Green Bank, West Virginia). NRAO is also responsible for the development and operation of enhanced or new facilities. Two on-going projects are the Expanded Very Large Array (EVLA) and the Atacama Large Millimeter Array (ALMA). The EVLA will improve the resolution and sensitivity of the VLA by an order of magnitude and the spectroscopic capabilities by two orders of magnitude. ALMA is an international collaborative program to build and operate a 64-antenna millimeter array on the Llano de Chajnantor plateau in northern Chile. AUI/NRAO are designated as the Executive for the U.S./Canada participation in ALMA.

Candidates should be scientists of stature who fully understand developments in world astronomy and have demonstrated significant leadership and management experience. AUI is an Equal Opportunity/Affirmative Action Employer. The search committee will begin considering applications March 1, 2002, and will accept applications until the position is filled. Inquiries, nominations, and applications should be sent to:

Dr. Claude R. Canizares
Search Committee Chair
Associated Universities, Inc.
1400 Sixteenth Street, NW, Suite 730
Washington, DC 20036-2217

Myriad Proteomics

Myriad Proteomics, Inc., recently formed as a joint venture between Myriad Genetics, Hitachi and Oracle, is a biotechnology company focused on the discovery of protein-protein interactions and multi-protein identification complexes. The industrial-scale characterization of protein interactions and complexes will lead to the discovery of novel therapeutic targets for numerous diseases that afflict mankind. Myriad Proteomics has several outstanding opportunities for talented and motivated scientists in our yeast two-hybrid group, which is developing and implementing an ultra high-throughput process that utilizes yeast genetics, robotics, and biochemistry for the discovery of protein-protein interactions.

Head of Yeast 2-Hybrid Production

You will manage our yeast two-hybrid process and laboratory, including supervising, hiring, generating work lists and scheduling of research associates in a production environment. You will analyze process quality, interact with sequencing, informatics, and automation groups to identify process improvements, and coordinate equipment and consumables ordering and storage. You must have a Master's Degree in a biological science, 4+ years' experience in a research environment, and demonstrated leadership and personnel management abilities. Organization and communication skills are essential.

Scientist, Technology Development

(Yeast Genetics & Molecular Biology)

In this position, you will identify/implement advancements in our existing high-throughput yeast two-hybrid system and participate in developing alternative methods for identifying protein-protein interactions. The position will require working closely with other scientists and integrating technology development efforts with automation, database, and sequencing improvements. A Ph.D. in a biological science and relevant post-doctoral experience are required. A strong background in Genetics and Molecular Biology and expertise in the identification and characterization of protein-protein interactions are desired.

Research Associate, Technology Development

(Yeast Genetics & Molecular Biology)

As an experienced research associate, you will join the yeast two-hybrid technology development group, working closely with other scientists to implement improvements to our existing high-throughput yeast two-hybrid system. You must have a BS or MS in Molecular Biology or a related field and 4+ years of relevant experience. A thorough understanding of Molecular Biology, strong organization and communication skills and the ability to work independently to design and carry-out experiments are required. Experience with yeast genetics is preferred.

Research Associate, cDNA Library Construction

This position requires an MS in Molecular Biology or a related field, or a BS and 2-5 years of experience. Familiarity with standard molecular biology techniques (PCR, gel electrophoresis, DNA isolation, enzymatic manipulations) is essential.

If you'd like to be part of a project that is truly a once-in-a-lifetime opportunity in a place that is immensely rewarding, we invite you to send your resume or CV to: proteomicsjobs@myriad.com

 **proteomics**
myriad
Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR TENURE TRACK

**Department of Physiology and The Heart and Stroke/Richard Lewar Centre of Excellence in Cardiovascular Research
University of Toronto**

The Department of Physiology of the Faculty of Medicine together with the Lewar Cardiovascular Centre invites applicants for the position of Assistant Professor. Preference will be given to candidates whose major area of study is the cellular and molecular basis of function of the heart, vascular cells, or the mechanisms of stroke using innovative approaches including molecular biology, electrophysiology, optical imaging, and/or genetic manipulations. The successful candidate will participate fully in the research and teaching programs of the Department and will have full access to the research facilities and services of the Heart and Stroke/Richard Lewar Centre of Excellence including physiological assessment of transgenic mice as well as transgenic and genome database/microarray resources.

This tenure-track position offers outstanding scholarly and scientific resources and unique opportunities to interact with related departments and research centers throughout the University of Toronto, its affiliated hospitals, and the Toronto cardiovascular community. The successful candidate will have a Ph.D., M.D., or equivalent graduate degree with several years of postdoctoral training and excellence in fundamental research.

Applicants should send a letter of application including curriculum vitae, a brief description of research interests, and the names and contact information of at least three references to: **Physiology/HSR-LCE Search Committee, c/o Jenny Katsoulakos, Department of Physiology, Faculty of Medicine, MSB, University of Toronto, Toronto, ON M5S 1A8 Canada.**

Applications must be received no later than March 31, 2002. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

EDITORIAL DIRECTOR Eaton Publishing/BioTechniques

Eaton Publishing, publisher of the journal *BioTechniques*, is seeking an Editorial Director to replace our retiring Editor. The Editorial Director will provide editorial leadership and vision to ensure the highest quality content for all Eaton Publishing products including its flagship journal *BioTechniques* and new lines of supplements, books, and online products.

The Editorial Director assembles and oversees an international Editorial Advisory Board and will maintain frequent contact with the bioresearch community through attendance and participation in scientific conferences, media appearances, and meetings with key Scientists and product managers at life science companies.

The ideal candidate will have broad knowledge of life science research and a keen understanding of how this research can be applied to the creation of new print and electronic products that meet the needs and interests of our readers and advertisers.

Experience in the writing, peer-review, and publishing process of scientific papers is essential.

A Ph.D. in a biomedical science discipline is required along with excellent verbal, written, managerial, and interpersonal skills.

Please send curriculum vitae of experience to: **Eaton Publishing, Attention: James Emerton, Publisher, 1 Research Drive, Suite 400A, Westborough, MA 01581. E-mail: jemerton@biotechniques.com.** No FAXES or telephone calls, please.

POSITIONS OPEN

TENURE TRACK Department of Physiology University of Toronto

The Department of Physiology of the Faculty of Medicine invites applicants for the position of **ASSISTANT/ASSOCIATE PROFESSOR**. Preference will be given to candidates whose major area of study is cellular and molecular neuroscience using innovative approaches including molecular biology, electrophysiology, optical imaging, and/or genetic manipulations. The successful candidate will participate fully in the research and teaching programs of the Department.

This tenure-track position offers outstanding scholarly and scientific resources and unique opportunities to interact with related departments and research centers throughout the University of Toronto, its affiliated hospitals, and the Toronto neurosciences community. The successful candidate will have a Ph.D., M.D., or equivalent graduate degree with several years of postdoctoral training and excellence in fundamental research. Applicants should send a letter of application including curriculum vitae, a brief description of research interests, and the names and contact information of at least three references to: **Physiology/Neuroscience Search Committee, c/o Jenny Katsoulakos, Department of Physiology, Faculty of Medicine, MSB, University of Toronto, Toronto, ON M5S 1A8 Canada.**

Applications must be received no later than March 31, 2002. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.

FACULTY CELL/MOLECULAR NEUROSCIENCE ASSISTANT/ASSOCIATE PROFESSOR

(grant funded and leading to tenure track). The City College, City University of New York, Department of Biology, seeks a Neuroscientist, preferably working at the cell/molecular level with strong independent research program and postdoctoral experience, to teach Doctoral and undergraduate courses. Successful applicants should have research interests that complement our neurobiology faculty (molecular genetics of signal transduction, visual cortical neurophysiology and neuroanatomy, bird song learning, visual system development, visuomotor plasticity). Start-up funds, core facilities, and abundant space are available. Application review begins immediately. Additional details at: **websites: <http://www.ccny.cuny.edu/positions> or <http://www.rfcuny.org/hr/pvn>.** To apply, send curriculum vitae, statement of research interests, and contact information for three professional references to: **Dr. Tadmiri Venkatesh, Chair, Neuroscience Search Committee, Biology Department, City College, CUNY, Convent Avenue at 138th Street, New York, NY 10031. E-mail: venky@sci.ccny.cuny.edu.** An Affirmative Action/Equal Opportunity/Americans With Disabilities Act/Immigration Reform and Control Act Employer.

POSTDOCTORAL POSITION Molecular Neurobiology

Postdoctoral position at the University of Connecticut in molecular neurobiology to study brain GABAA receptors and mechanisms involved in receptor trafficking and localization. Experience with recombinant DNA and/or membrane proteins is desirable. Salary commensurate with experience. Send curriculum vitae and three references to: **Dr. Angel L. De Blas, Department of Physiology and Neurobiology, 3107 Horsebarn Hill Road, U-4156, Storrs, CT 06269. FAX: 860-486-3303; e-mail: deblas@orale.pnb.uconn.edu.** We encourage applications from underrepresented groups including minorities, women, and people with disabilities.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR in watershed hydrology. Utah State University seeks an individual whose interests will complement other faculty in a newly forming Department of Aquatic, Watershed, and Earth Resources within the College of Natural Resources including watershed scale water, sediment, or chemical routing; river mechanics; remote sensing applications to the study of hydrologic processes; or hyporheic and riparian zone processes. The successful candidate's interests will include watershed-scale land management; restoration of watersheds and streams; effects of global climate change; fate of contaminants in the environment; or the management of fisheries, aquatic, or riparian resources. Requires earned Ph.D. or equivalent in hydrology, watershed science, or related discipline at time of appointment; record of research publication or potential; demonstrated capability to effectively teach, mentor, and otherwise communicate; and capability to attract external funding support. See **website: <http://personnel.usu.edu> (2-101)** for full description. Send letter of application, curriculum vitae, brief statement of research experience and interests; statement of teaching philosophy, interests, and experiences; absent of Ph.D. dissertation; copy of the most significant written work; and names/numbers of four references to: **John C. Schmidt, Utah State University, 5250 Old Main Hill, Logan, UT 84322-5250.** Review begins March 1, 2002; open until filled. Affirmative Action/Equal Opportunity Employer.

Illinois Institute of Technology has a tenure-track faculty position available at the **ASSISTANT PROFESSOR** level in the Department of Biological, Chemical, and Physical Sciences. The position will carry joint responsibilities in the Biology Division of the Department of Biological, Chemical, and Physical Sciences (BCPS) and the National Center for Food Safety Technology (NCFST). Applicants whose research is in any area of biotechnology with application to analysis or detection or neutralization of food pathogens will be considered. Candidates will be provided with a competitive start-up package and will have laboratory and office facilities at NCFST in the southwest suburbs of Chicago as well as at the IIT main campus in Chicago. The position is a 12-month position with the summers at NCFST. All candidates will be expected to establish their own funded research program as well as participate in ongoing teaching activities.

Applications will be screened as received and invitations to campus are expected to begin in early March. The search for faculty positions will remain open until filled. Applicants should send curriculum vitae, names of three references, and a summary of their research plans to: **Professor Benjamin W. Stark, Department of Biological, Chemical, and Physical Sciences, Illinois Institute of Technology, 3101 South Dearborn, Chicago, IL 60616.** Electronic transmission of documents with attachments is also acceptable; e-mail: **benjamin.stark@iit.edu.** IIT is an Affirmative Action/Equal Opportunity Employer.

MEDICAL /SCIENCE WRITERS

Medical education firm specializing in CNS seeks Ph.D.s in biomedical sciences. Must have exceptional writing skills for abstracts, manuscripts, and scientific posters from original data as well as manuscript copy editing skills. If you can write, this is your dream job. Salary commensurate with ability. Send résumé, salary requirements, and three samples to: **Jim Bachleda, Prescott Medical Communications Group, 180 North La Salle Street, Suite 3110, Chicago, IL 60601. FAX: 312-528-3901; e-mail: jim.bachleda@prescottmedcom.com.** References required.

**University of Southern California
School of Dentistry**

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF HEALTH PROMOTION, DISEASE PREVENTION AND EPIDEMIOLOGY

The newly established Division of Health Promotion, Disease Prevention and Epidemiology invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in epidemiologic investigations utilizing field studies and existing databases in health promotion and disease prevention. Several appointments are anticipated. Successful applicants will be expected to establish vigorous academic programs of high-quality research in public health issues to complement existing research programs in the Schools of Dentistry, Medicine and Policy, Planning and Development. The successful applicant will also be responsible for developing and teaching public health topics to predoctoral as well as postdoctoral dental and graduate students. The Division also plans to create a formal residency program in dental public health. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12-month appointment and may have the privilege of consulting or practicing clinical dentistry or medicine one day each week. Salary is commensurate with qualifications based upon USCSD compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF DIAGNOSTIC SCIENCES

The newly established Division of Diagnostic Sciences invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in Temporomandibular Disorders (TMD), Obstructive Sleep Apnea (OSA), Oral Motor Disorders (OMD) and/or Orofacial Pain (OFP). Several appointments are anticipated. Successful applicants will be expected to establish a vigorous academic research program of high-quality in these areas to complement existing research programs in the Schools of Dentistry and Medicine. The successful applicant will also be expected to develop and teaching these topics at the predoctoral as well as postdoctoral dental and graduate students. The Division also plans to create a formal residency program in Oral Medicine and Orofacial Pain. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12-month appointment and may have the privilege to consult or practice clinical dentistry or medicine one day each week. Salary is commensurate with qualifications based upon USCSD compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF PRIMARY ORAL HEALTH CARE

The newly established Division of Primary Oral Health Care invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in infectious disease research. A typical candidate may have a DDS/DMD, and a PhD in molecular biology, microbiology, and immunology. Strength in the research of microbial biofilms is preferred but not a requirement. Preference will be given to individuals with advanced training in one of the recognized dental specialties. Several appointments are anticipated. Successful applicants will be expected to establish vigorous academic programs of high-quality research in infectious diseases to complement existing research programs in the Schools of Dentistry, Medicine and the Department of Molecular Biology. The successful applicant will also be responsible for developing and teaching topics related to infectious diseases to predoctoral as well as postdoctoral dental and graduate students. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12-month appointment and may have the privilege of consulting or practicing clinical dentistry one day each week. Salary is commensurate with qualifications based upon USCSD compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISIONS OF CRANIOFACIAL, DIAGNOSTIC, AND SURGICAL SCIENCES

The three newly established Divisions invite applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in bioimaging/bioengineering and bioinformatics. Several appointments are anticipated. Successful applicants will be expected to establish vigorous academic programs of high-quality research in bioimaging to complement existing research programs in the Schools of Dentistry, Medicine, and Engineering. The successful applicant will also be responsible for developing and teaching bioimaging for predoctoral, as well as postdoctoral, dental and graduate students. The School also plans to create a formal residency program in dental radiology and bioimaging. The successful candidate is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12-month appointment and may have the privilege to consult or practice clinical dentistry or medicine one day each week. Salary is commensurate with qualifications based upon USCSD compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

USC is an Equal Opportunity/Affirmative Action Employer. Minority and female applicants are encouraged to apply.



**St. Jude Children's
Research Hospital**

ALSAC • Danny Thomas, Founder

POSTDOCTORAL POSITION

Department of Immunology

(REQ #1125)

POSTDOCTORAL POSITION available to study the genetic and biochemical events that control early B cell development in mice and in humans. Ongoing projects include the characterization of patients with defects in B cell development, analysis of factors that influence the assembly of the pre-B cell receptor complex and identification of mechanisms that regulate expansion of early B cell precursors. The applicant should have a Ph.D. and experience in molecular biology.

Please send curriculum vitae, statement of research interests, and three letters of reference to:

Dr. M.E. Conley, Department of Immunology
St. Jude Children's Research Hospital
332 North Lauderdale
Memphis, TN 38105
E-mail: mary-ellen.conley@stjude.org

*St. Jude Children's Research Hospital is an
Equal Opportunity/Affirmative Action Employer.*

Tenure-Track Faculty Position

Biological Sciences-Functional Genomics

The University of Massachusetts Lowell (UML) Department of Biological Sciences invites applications for a tenure-track position, rank negotiable, to start fall 2002. We seek candidates with a background in functional genomics and gene expression. Expertise in molecular biology and/or knowledge of plant biology are desirable. The successful candidate will develop an active, externally funded research program, teach one course in an area of expertise, and participate in teaching core undergraduate courses. We encourage collaboration between faculty on campus as well as with colleagues at other institutions. Current faculty research interests include bioinformatics, microbial ecology, neurobiology, and cancer biology. This is one of several new positions at UML in the areas of bioinformatics, genomics, and proteomics. UML is a member of the UMass Inter-campus Graduate School for Marine Sciences and Technology and is conveniently located within a short driving distance of Boston and Worcester, with their vibrant academic and biotech communities. A curriculum vitae, copies of several recent publications, a statement of research & teaching interests, not to exceed three pages, and three letters of recommendation should be sent to: **Professor Robert D. Lynch, Chair, Department of Biological Sciences, University of Massachusetts, One University Avenue, Lowell MA 01854. E-mail: Robert_Lynch@uml.edu.** *The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action Employer and encourages applications from qualified women and minorities.*

TRAINING



University of Michigan

Graduate and Postdoctoral Training Fellowships

in Toxicology

Postdoctoral and predoctoral research training fellowships are available through an NIEHS/NIH-sponsored training program in environmental toxicology. Eligibility for NIH fellowships includes U.S. citizenship or permanent resident status. Postdoctoral candidates must have a PhD or equivalent at the time of appointment. Additional support is available through research grants of the program faculty. Research areas of the faculty include molecular, genetic, cell signaling, metabolic and oxidative stress mechanisms of toxicity with respect to reproductive, developmental, neural and immune systems, as well as cancer research, micro- and nanosensor development, human exposure assessment, and environmental and occupational disease epidemiology.

Details on the program faculty and fellowships may be found on our website at <http://www.sph.umich.edu/etox/>. For further information, email toxicology@umich.edu, phone the toxicology office at (734) 764-5410 or write the **Toxicology Program, Dept. Environmental Health Sciences, 1420 Washington Heights, Ann Arbor, MI 48109-2029.**

The University of Michigan offers a dynamic and diverse scholastic community committed to the inclusion of under-represented minorities. Applicants of all ethnic and cultural backgrounds are strongly encouraged to apply.



The Faculty of Science

of the

University of Fribourg/Switzerland

invites applications for a position of

FULL PROFESSOR in Physiology

at the Department of Medicine (available October 1st, 2002)

The candidate will carry out competitive research in **neurophysiology**, in a field that reinforces existing research strengths with an approach combining molecular biology and integrative physiology. He or she will assume teaching duties in Physiology in German and/or French to preclinical medical students and to pharmacy, biochemistry and psychology students. Applications (with curriculum vitae, a list of publications with copies of the five most important papers, a short outline of planned research interests, and the names of three referees) should be sent before **March 31, 2002** to the **Dean of the Faculty of Science, University of Fribourg, Chemin du Musée 6A, CH-1700 Fribourg/Switzerland.**

Further information can be obtained from the Chairman of Physiology (jean-pierre.montani@unifr.ch) or at www.unifr.ch/inph/.

**University of Southern California
School of Dentistry**

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF SURGICAL THERAPEUTICS AND BIOENGINEERING SCIENCES

The newly established Division of Surgical Therapeutics and Bioengineering Sciences invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in the full scope of Oral and Maxillofacial Surgery. Applicants must be certified by the American Board of Oral and Maxillofacial Surgery and have documented experience in teaching at the clinical and academic levels. Applicants with post-doctoral fellowships (Trauma, Esthetic, Pathology, Orthognathic, Cancer, or Craniofacial) would be given additional consideration. Successful applicants will be expected to establish vigorous academic programs of high-quality research in basic science and clinical research and to complement existing research programs in the Schools of Dentistry and Medicine. The successful applicant will also be responsible for developing and teaching Oral & Maxillofacial Surgery related topics for pre-doctoral students. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12-month appointment and may have the privilege to consult or practice clinically one day per week. Salary is commensurate with qualifications based upon USCSD compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

ASSISTANT PROFESSOR - TENURE TRACK or ASSOCIATE PROFESSOR - TENURED

DIVISION OF SURGICAL THERAPEUTICS AND BIOENGINEERING SCIENCES

The newly established Division of Surgical Therapeutics and Bioengineering Sciences invites applications for tenured Associate Professor or tenure-track Assistant Professor faculty positions from individuals with expertise in oral, dental and cranio-facial diseases and disorders that require surgical therapeutic and bioengineering technologies. The candidate should have strong background in clinical research of oral medicine and therapeutics, oral mucosa immunology and/or oral infections and related systemic diseases and disorders. Successful applicants will be expected to establish vigorous academic programs of high-quality research in these fields to complement existing research programs in the Schools of Dentistry, Medicine and Engineering and be able to implement cross-disciplinary and multi-disciplinary approaches and skills to investigate these conditions. Several appointments are anticipated. The successful applicant will also be responsible for teaching pre-doctoral as well as postdoctoral dental and graduate students. The successful applicant is expected to have or develop active extramurally funded research programs. Full-time faculty have a 12 month appointment and may have the privilege to consult or practice clinical dentistry or medicine one day each week. Salary is commensurate with qualifications based upon USC School of Dentistry compensation schedules.

Interested applicants should send a cover letter, a complete curriculum vitae, samples of publications, statement of research interest and at least five letters of reference to: **Dean Harold Slavkin, University of Southern California School of Dentistry, 925 West 34th Street, DEN 203, Los Angeles, CA 90089-0641.** Consideration of applicants will begin in March 2002 and continue until the position(s) is filled.

USC is an equal opportunity/affirmative action employer. Minority and female applicants are encouraged to apply.



**DIRECTOR, OFFICE OF INTERNATIONAL
SCIENCE AND ENGINEERING
National Science Foundation, Arlington, VA**

NSF seeks candidates for Director, Office of International Science and Engineering (INT) which provides strategic advice to NSF leadership in the development and implementation of an international science and engineering agenda and coordinates these international programs. Further information about the mission may be found at <http://www.nsf.gov/home/sbe/>.

This is a Senior Executive Service position with a salary range of \$125,972 to \$138,200. The position could also be filled under Intergovernmental Personnel Act Provisions. Applicants must have a Ph.D. or equivalent professional experience in science, engineering, or related field, substantial research administration experience, and demonstrated leadership skills.

Announcement S20020061, with qualification requirements/application procedures, may be found at <http://www.nsf.gov/oirm/hrm/jobs/start.htm> or contact the **Executive Personnel Staff, 703-292-8755** (If hearing impaired call TDD 703-292-8044). Applications must be received/postmarked by March 8, 2002.

NSF is an Equal Opportunity Employer committed to employing a highly qualified staff reflecting the diversity of our nation.

**Staff Scientist Position
National Institutes of Health (NIH)
National Institute of Child Health and
Human Development (NICHD)**

The newly created Laboratory of Cellular and Synaptic Neurophysiology NICHD, NIH wishes to recruit a Staff Scientist with experience in computational neurosciences, with particular emphasis on the modeling of hippocampal neuronal networks. The candidate will work with an outstanding team of electrophysiologists to model excitatory and inhibitory neurons and principal neurons within the CA3 subfield of the hippocampal formation (see Atzori and McBain *Nature Neurosci* 3:791, 2000; Toth et al *JNeurosci* 15:8279; Toth and McBain *Nature Neurosci* 1:572, 1998). The successful candidate should possess a Ph.D. in the Neurosciences or a closely related field. Applicants should have an established track record in the modeling of neural circuits. Candidates will be required to communicate the results of their research clearly and effectively both orally and in writing and must have good interpersonal skills. The salary minimum to be offered is \$66,229 per annum.

Interested candidates should send a statement of research interests and goals, CV, bibliography and three letters of recommendation by February 28, 2002 to:

**Chris J. McBain, Ph.D.
National Institute of Child Health and Human Development
Bldg. 49, Room 5A72
49 Convent Drive
Bethesda, MD 20892-4495
Or via e-mail cm34b@nih.gov**

The NIH is an Equal Opportunity Employer.

AWARDS

A call for nominations...

**The Rhoda and Bernard Sarnat Prize
2002**

**An International Award to Recognize Achievements
in Mental Health**

The Institute of Medicine (IOM) is accepting nominations for the International Rhoda and Bernard Sarnat Prize in Mental Health. The award, a medal and \$20,000, recognizes individuals, groups, or organizations for:

- contributions to improve understanding of or treatment for mental disorders (basic biomedical or clinical research);
- innovations in mental health services (counseling, clinical care, prevention, amelioration of symptoms, or promotion of mental health); or
- public policy change that fosters science or improves mental health services.

Nominations should include description of the accomplishments of the nominee and an explanation of why those accomplishments merit the Sarnat Prize (not to exceed 4 pages). Supplemental documentation of accomplishments will aid the selection process. Additional letters of endorsement are not necessary and will not be considered. Nominations should be emailed no later than April 30, 2002. For additional information contact: **Catherine A. Paige** by telephone (202-334-3387), fax (202-334-1317) or email (cpaige@nas.edu).

CONFERENCES

Chemokine Conference 2002



**El Escorial, Madrid Spain
May 5-9, 2002**

Organizers

C Martínez-A., J Westwick & SL Kunkel

Information and Registration

Tel (+34) 91/585-4850
Fax (+34) 91/372-0493
email Chemokine2002@cnb.uam.es
URL http://dio.cnb.uam.es

Themes

- Structure, function & signaling of chemokines & chemokine receptors
- Cell trafficking & lymphoid organ architecture
- Chemokines in innate and adaptive immunity
- Interplay of viruses with chemokines and chemokine receptors
- Chemokines as mechanisms of disease
- Small molecular weight antagonists

Speakers

Kevin Bacon
Marco Baggiolini
Israel Charo
Craig Gerard
J Carlos Gutierrez-Ramos
Tracy M. Handel
Cory M. Hogaboam
Richard Horuk
Antonio Lanzavecchia
Martin Lipp
Dan R. Littman
Clare Lloyd
Sergio A. Lira
Nicholas Lukacs
Alberto Mantovani

Gabriel Márquez
Grant McFadden
Mario Mellado
Philip M. Murphy
Amanda Proudfoot
Richard Ransohoff
Ann Richmond
Barret Rollins
Antal Rot
Thomas Schall
Robert Strieter
Jozef Van Damme
Stephen G. Ward
Timothy J. Williams
Albert Zlotnick

NATIONAL INSTITUTES OF HEALTH Undergraduate Scholarship Program

Science-Research Scholarship Available

The UGSP is sponsored by the National Institutes of Health (NIH), the Federal Government's premier biomedical research and research training agency. NIH offers scholarships to qualified students who are committed to a career in biomedical research.

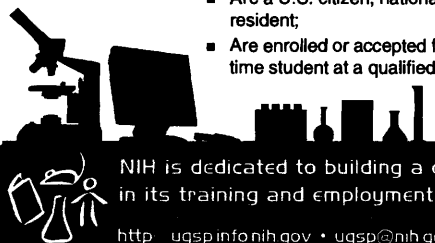
Scholarships of up to \$20,000 per year support tuition, educational, and qualified living expenses (room, board, transportation) while students pursue an undergraduate degree.

For each award year, scholars work 10 weeks with salary/benefits in our research laboratories in Bethesda, Maryland. They are assigned mentors, participate in developmental and science enrichment seminars, and are provided with housing and transportation. After graduation, scholars participate in year-long paid research fellowships for each year of their award.

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- Have a GPA of at least 3.5 or are in the top 5 percent of their class;
- Are a U.S. citizen, national, or permanent resident;
- Are enrolled or accepted for enrollment as a full-time student at a qualified accredited institution.



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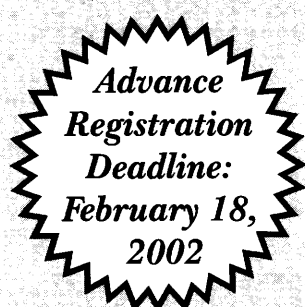
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**AMERICAN ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE**



AACR American Association for Cancer Research

93rd Annual Meeting

April 6-10, 2002

Moscone Convention Center • San Francisco, California

Presenting basic, translational, and clinical cancer research at the cutting edge

Program in Progress

The AACR Annual Meeting provides the ideal environment for the cross-fertilization of ideas on cutting-edge basic, translational, and clinical cancer research. The following is a list of the topic areas to be addressed at the 93rd AACR Annual Meeting. Under each topic, the latest scientific breakthroughs and their translation into clinical therapies and prevention strategies will be presented. Late-breaking abstract deadline: February 8, 2002.

2002 Program Committee

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Raymond N. DuBois, Co-Chairperson
Frederica Perera, Co-Chairperson
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Laura K. Shawver
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Symposia

Lung Cancer
Pancreatic Cancer
Female Cancers: Breast and Ovarian
Ligases and Protein Turnover-Proteolysis,
Angiogenesis and Invasion
Chromatin Structure, Remodeling, and Methylation
Nuclear Hormones in Cancer 2
Molecular Epidemiology of Cancer Prevention: An Integrative Approach
Telomerase, Telomeres, and Mechanisms of Cellular Immortalization
Checkpoints and Stress Responses
Mechanisms of Genomic Instability and Tumor Suppressor Genes
The EGF Receptor (HER) Family as a Target for Therapy
Cell Survival Signaling, AKT, PTEN, Ras, NF- κ B
Apoptotic Machinery
Pharmacogenomics: Translating Functional Genomics into Optimized Cancer Chemotherapy
Stem Cell Biology and Applications
Chemoprevention: Cancer Prevention vs. Cancer Delay
Immunotherapy
Illuminating the Black Box of Metastasis
Cyclin-dependent Kinase Inhibitors: Roles in Development, Cell Proliferation, and Cancer
Cancer Susceptibility in At Risk Populations: Complex Interactions Between Genes and Environment
Oxidative Stress and Mitochondrial Alterations in Cancer
Prostate Cancer
Cell and Gene Therapy
DNA Repair and Replication
Tumor Profiling
p53 and Rb
COX-2 Biology and Prevention
Targeted Therapies

Forums

Challenges in Cancer Clinical Research: Ethics, Regulation, Compliance and Administration
Clinical Cancer Research: The Academic/Pharmaceutical Industry Partnership
Antiangiogenesis: Is It Effective?
Targeting Protein Kinases
The Best Targets in Breast Cancer
The Best Targets in Lung Cancer
The Best Targets in Colon Cancer
The Best Targets in Sarcoma
The Best Targets in Glioblastoma
How to Apply Genomics to Drug Discovery and the Clinic
What Do We Know about the Nutritional Prevention of Cancer?
Ethics of Gene Testing
Cancer Gene Therapy

Sunrise Sessions

Risk Assessment
Genetic Testing
JAKs and STATs in Cancer
Dendritic Cells and Immunotherapy
Farnesyltransferase as a Target
Histone Deacetylases
Mechanisms of Drug Resistance
Recent Advances in Cancer Vaccine Development
p53 Family Members
IGF System and Cancer
Met-HGF/SF: Tumorigenesis, Invasion, and Metastasis
Molecular Genetics of Prostate Cancer
Aneuploidy and the Metastatic Phenotype
MSI and Mismatch Repair Genes
Treatment in Animal Models
Regulation of T-cell Responses
High Risk Cohorts
DNA Adducts: New Methodologies and their Application in Human Biomonitoring

Breast Cancer Chemoprevention
Lung Cancer Screening
Cancer Survivorship
Colon Cancer Prevention
Statistical Models for Multiple Biomarkers in Cancer Prevention
Myc and Apoptosis in Lymphoma
Melanoma Models
Cell Adhesion and Cell Proliferation
RNAi and Gene Expression
Ras Signaling
Myc/Max/Mad Network
Abl Oncogene
Brain Tumor Pathways
Cytokine Deregulation in Cancer: Clinical and Biological Implications
Antiangiogenesis: Current Status of Clinical Trials
PI3-kinase as a Target for Molecular Therapeutics
Vascular Targeting *in Vivo*
NF- κ B in Carcinogenesis
Promising New Anticancer Agents
New Phase I Trial Designs
In Vivo Imaging of Gene Expression, Angiogenesis, and Physiological Function in Tumors
DNA Topoisomerase
Structure-Activity Relationships by NMR
The Early Detection Research Network
Novel Retinoids
Leukemia Research: The Window to Understanding the Biology and Therapy of Cancer
Combinatorial Chemistry
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Multiple Myeloma
A Human Mammary Tumor Virus

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Online Abstract Submission and Registration

www.aacr.org

ICST

3RD INTERNATIONAL CONFERENCE ON SIGNAL TRANSDUCTION

May 17-22, 2002
Cavtat-Dubrovnik, Croatia

Organizers

Ivan Dikic, Sweden; Kresimir Pavelic, Croatia;
Joseph Schlessinger, USA

Keynote Lecture

Günter Blobel, USA

Topics

Protein Phosphorylation
Protein Posttranslational Modifications
Functional Genomics and Proteomics
GTPases and MAP Kinases
Nuclear Signaling
Neuroscience
Development and Disease
Immunology
Life Imaging - Topic of 2002

Deadlines

Application: March 1, 2002, Early registration: March 15, 2002

Online Application & Abstract Submission:

<http://www.icst.irb.hr>

Eastern European participants will have a reduced registration fee. Special registration fee will be offered to students.

For further information:

<http://www.icst.irb.hr>

email: icst@rudjer.irb.hr; fax: +385 1 456 10 10

CHRISTINE MIRZAYAN INTERNSHIP PROGRAM

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Advisers to the Nation on Science, Engineering, and Medicine

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The Christine Mirzayan Internship Program of the National Academies is designed to engage graduate and postdoctoral science, engineering, medical, veterinary, business, and law students in science and technology policy and to familiarize them with the interactions between science, technology, and government. As a result, students develop essential skills different from those attained in academia and make the transition from being a graduate student to a professional.

There are two sessions each year:

January (12 weeks) and June (10 weeks).

To apply, candidates should submit the application and one letter of reference, both available on-line at nationalacademies.org/internship.

The deadline for receipt of materials is

November 1 for the January program and
March 1 for the June program.

Details are on our Website:

www.nationalacademies.org/internship

Additional questions should be
directed to: internship@nas.edu



Intern with Einstein

NEUROSCIENCE

THE EJLB FOUNDATION

SCHOLAR RESEARCH PROGRAMME

The EJLB Foundation awards each year up to seven (7) grants for research projects in all areas of neuroscience that pertain directly or indirectly to schizophrenia and mental illness. Specific areas of support in the past have included: developmental neurobiology, synaptic mechanisms, systems and cognitive neuroscience, and clinical studies on the genetic and physiopathologic aspects of neurological and psychiatric disorders.

Eligibility for such grants is restricted to young scientists who are pursuing an independent research career and have given evidence of having significant potential. It is also a requirement that these scientists (i) have earned an MD and/or a Ph.D. degree; (ii) have completed their post-graduate training; and (iii) have been admitted after **June 15, 1997** as faculty members of a leading university, or an affiliated non-profit research centre, in Canada or elsewhere in the world.

Each grant is of CAN\$300,000, is disbursed over three (3) years and is non-renewable.

The next closing date for receipt of letters of intent is **May 1, 2002**.

Full details regarding this programme and required letter of intent forms may be obtained from:

The EJLB Foundation
1350 Sherbrooke Street West, Suite 1050
Montréal QC H3G 1J1
Canada
Fax: (514) 843-4080
Website: www.ejlb.qc.ca

CONFERENCES

THE VANDERBILT CONFERENCES PROTEOMICS: THE NEXT GRAND BIOLOGICAL CHALLENGE

**MAY 19-22, 2002
VANDERBILT UNIVERSITY
NASHVILLE, TENNESSEE, USA**

SESSION TOPICS

- Evolving Proteomics Technologies
- Identifying Protein-Protein Interactions
- From Sequence and Structure to Function
- Protein Networks
- Elucidating Protein Pathways

WORKSHOPS

- Mass Spectrometry Imaging
- Identifying Components in Complex Protein Mixtures
- Sequence Mining
- Intramolecular Distance with Lasers
- 2D Gels and Data Analysis

SPEAKERS KEYNOTE SPEAKER, Leroy Hood, MD, PhD

Natalie Ahn, PhD	Andrew Link, PhD
Patricia Babbitt, PhD	Gavin MacBeath, PhD
Richard Caprioli, PhD	Steve Mayo, PhD
Walter Chazin, PhD	Melissa Moore, PhD
Craig Crews, PhD	Eric Phizicky, PhD
Aled Edwards, SG	David W. Piston, PhD
David Friedman, PhD	Michael Snyder, PhD
Marc Gerstein, PhD	Roger Tsien, PhD
Phil Hieter, PhD	Marc Vidal, PhD
Don Hunt, PhD	Scott Williams, PhD

For a full list of speakers, session topics, and workshops, please visit our website, <http://medschool.mc.vanderbilt.edu/proteomics/>
email, cmecoffice@mcmail.vanderbilt.edu

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CONFERENCES



Apoptosis: Commercial Opportunities

April 28 through May 1, 2002

Catamaran Resort Hotel

San Diego, California

Apoptosis: Commercial Opportunities will blend cutting edge knowledge of the molecular biology of the apoptosis pathway with its commercial applications in the pharmaceutical, diagnostic and agricultural fields.

Topics

Cancer
Cardiovascular Disease
CNS Disease
Infectious Disease
Inflammation
And Others

Speakers

H. Robert Horvitz, MIT (Keynote)
Robert Armstrong, Idun Pharmaceuticals
Avi Ashkenazi, Genentech
Kenneth Bauer, Chromavision Medical Systems
Martin Bennett, University of Cambridge
Kenneth Chien, UCSD
Martin Dickman, University of Nebraska Lincoln
Gerard Evan, UCSF
Stephen Fesik, Abbott Laboratories
Robert Friedlander, Harvard
Douglas Green, La Jolla Institute for Allergy and Immunology
Leo Hofstra, University of Maastricht
Richard Kitsis, Albert Einstein College of Medicine
Eric LaCasse, Aegera
Donald Nicholson, Merck Frosst
Guy Salvesen, The Burnham Institute
Gordon Shore, Gemin X
Andreas Strasser, WEHI
W. Joseph Thompson, Cell Pathways
Xiaodong Wang, University of Texas Southwestern Medical Center

Call for posters

Completed abstracts to present at Apoptosis: Commercial Opportunities must be submitted by March 8, 2002 on-line at www.idun.com. Authors will be notified by April 1 of abstract acceptance.

For more information

www.idun.com or call **858/623-1330**

Co-organizers: John Reed, The Burnham Institute • Kevin Tomaselli, Idun Pharmaceuticals, Inc.

Lecturer/Senior Lecturer in Molecular Immunology

Ref: 02/P302A

School of Medicine

Queen's University is the centre for medical education and research in Northern Ireland. A major investment and restructuring programme to enhance the School's research capacity and performance is now underway and chairs in immunology, pathology and surgery have recently been accepted by outstanding applicants. The 2001 Research Assessment Exercise showed significant improvements in each unit of assessment.

The University now wishes to appoint a lecturer or senior lecturer in Immunology to initiate research and provide research support and leadership in molecular immunology within the Centre for Infection, Inflammation and Repair. Areas of particular interest will include molecular aspects of cytokine biology, cellular biology of intracellular signalling pathways, immune-based bioinformatics and genomic discovery and stem cell research.

Applicants must: hold an honours degree or equivalent in a science related topic and hold a PhD or equivalent in Biochemistry, Immunology, Genetics, Molecular Biology or an equivalent subject. Applicants must also have at least 3 years recent relevant post-doctoral experience and be a primary author on at least 4 papers in internationally recognised journals since 1996. Full criteria will be listed in the further particulars for the post.

Informal enquiries may be directed to Dr MA Armstrong, Dept. Microbiology & Immunology, Queen's University Belfast, Grosvenor Road, Belfast BT12 6BN. Telephone 028 90 240503 Ext. 2690.

Salary Scale: Lecturer £20,472 - £32,538 per annum
Senior Lecturer £34,158 - £38,604 per annum

It is anticipated that interviews for the post will be held on Tuesday 5th March 2002.

Closing date: 5.00 pm, Friday 15 February 2002.

Applicants, quoting reference number, may obtain further particulars from the address below.

The University is committed to equal opportunities and to selection on merit. It therefore welcomes applications from all sections of society.

Queen's University Belfast Personnel Department

Belfast, BT7 1NN.
Tel (028) 90273044 or
(028) 90273854
(answering machine) or
Fax (028) 90324944 or
e-mail on personnel@qub.ac.uk



Queen's University
Belfast

The Government of the Hong Kong Special Administrative Region Senior Research Officer in the Innovation and Technology Commission

(Remuneration : HK\$ 960,000 per year*)

The Government of the Hong Kong Special Administrative Region is committed to promoting innovation and technology development in Hong Kong. The Innovation and Technology Commission of the Government is seeking to recruit a Senior Research Officer to carry out research and participate in the preparation of policy analysis and studies relating to innovation and technology development.

Qualified candidates should possess a PhD/doctorate degree in any subject of science, technology, engineering, economics or business management with a minimum of ten years' post-qualification experience holding a senior research or management position in the relevant field. An excellent command of both written and spoken English and Chinese is required. Besides, he/she should have strong communication and analytical skills. International experience in research in science, technology or industrial businesses, or relevant public policy experience, would be an advantage.

Successful candidate will be appointed on 2 ½ years non-civil service contract terms.

For more information about the position and on how to apply, please visit the following website:

<http://www.info.gov.hk/itc>

or write to the Human Resources Section, the Innovation and Technology Commission at Room 1439, 14/F., Ocean Centre, 5 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong, fax no. 852-2314 7988.

Closing Date for Application : 9 February 2002

* US\$ 1 = HK\$ 7.8 approximately

MDS Pharma Services is a leading contract research services organization located on Seattle's Eastside, providing R&D services to the pharmaceutical and biotechnology communities. We have the following immediate employment opportunity in our Drug Discovery group:

Scientist

- Molecular Pharmacology/Biochemical Assay Development - (Position #01-08)

Accountable for developing and validating molecular assays used by the pharmaceutical industry to profile new drug leads in a broad range of therapeutic areas. Responsibilities include methods development and validation of assays to study receptor ligand interactions, enzyme activities, ion channels, including measurements of radioligand binding and enzyme kinetics and inhibition.

The candidate will develop and write assay protocols, and assist in assessment and prioritization of assay targets. Skills in pharmacology important, skills in molecular biology helpful. Position requires excellent written and oral communications skills, strong interpersonal skills, and an ability to act as a resource in technical consultations with and presentations to, pharmaceutical industry clients. A Ph.D. in pharmacology, molecular biology, biochemistry, immunology, or related discipline with postdoctoral experience is required.

MDS Pharma Services is an equal opportunity employer. We offer competitive compensation and benefit packages. To apply, please visit our online hiring center at:

www.mdsp.com

If you do not have access to the internet, you may apply by using the computer at your local library.



Pharma Services

Staff Clinician

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Institutes of Health (NIH) is seeking a Physician Investigator to develop a vigorous clinical research program in Systemic Lupus Erythematosus (SLE), and other autoimmune diseases at the Clinical Center in Bethesda. The individual would collaborate closely with intramural laboratory programs to study the etiology, pathophysiology and natural history of patients with these diseases. The successful candidate will be expected to develop new Phase I/II therapeutic trials and lead the ongoing long-term outcome studies in SLE. Candidates must have an MD degree and Board Certification in Internal Medicine and Rheumatology. Formal training in clinical research and experience designing and conducting early phase clinical trials with biologic therapeutics is required. Evidence of scholarly achievements in these areas is required. Previous experience in evaluation of the immunologic and biologic impact of therapeutic interventions is highly desirable. A valid U.S. license is required. Starting salary is commensurate with experience and will be in the range of \$57,345 - \$103,623. Interested candidates should respond within 30 days of this advertisement by submitting a curriculum vitae and bibliography, at least three relevant reprints, summary of research interests, and the names of three references to:

Ms. Jody Cullen, NIAMS/IRP
Building 10, Room 9S205
10 Center Drive MSC 1828
Bethesda, MD 20892-1828

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MAYO CLINIC DIRECTOR

BIOMEDICAL MASS SPECTROMETRY AND PROTEOMICS FACILITY

Mayo Clinic, Rochester, invites applications for the position of Director, Biomedical Mass Spectrometry and Proteomics Facility. The candidate must have completed a doctoral degree in a suitable discipline (biochemistry, molecular biology, pharmacology, chemistry, physics) and must have expertise in the area of mass spectrometry, particularly as it applies to the analysis of protein structure and protein quantitation. The Biomedical Mass Spectrometry and Proteomics Facility is a part of a larger proteomics effort at Mayo Clinic and Foundation, and the candidate is expected to work closely with other investigators with similar interests. The candidate will be expected to supervise an existing, superbly equipped, developmental mass spectrometry and cellular proteomics facility and to develop an independent research program. Substantial start-up funds and funds for new mass spectrometry equipment are available. The candidate would be eligible for a suitable academic appointment (assistant professor to full professor, depending on qualifications) in an appropriate department (e.g. Biochemistry and Molecular Biology, Molecular Pharmacology and Experimental Therapeutics, Immunology, Physiology and Molecular Biophysics).

The Mayo Clinic is located in Rochester, Minnesota, and is regarded as one of the premier biomedical, clinical, and research institutions in the United States. Applicants are encouraged to submit their curriculum vitae and bibliography, summary of past accomplishments, and names of three references no later than July 1, 2002 to:

R. Kumar, M. D., Chair
Biomedical Mass Spectrometry and Proteomics Research Search Committee
911A Guggenheim Building
Mayo Clinic
200 First Street SW
Rochester, MN 55905
E-mail: rkumar@mayo.edu
Phone: (507) 284-0020 Fax: (507) 266-4710

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Non-Tenure Track Assistant Professor Genetically Engineered Mouse Facility

A faculty position is immediately available to supervise the NCI-supported Genetically Engineered Mouse Facility at The University of Texas M. D. Anderson Cancer Center. The successful applicant will receive a salary and compensation package that is highly competitive with similar positions at other academic institutions and biotech companies. The position requires hands-on knowledge of vector construction, ES cell culture, transgenic and knockout mouse generation, and sperm cryopreservation. The successful applicant will supervise 3-4 technical personnel and manage a state-of-the-art facility in an efficient and cost effective fashion. Users of the facility are NIH-funded members of the M. D. Anderson faculty. Ample opportunities exist for attending national workshops and meetings to keep abreast of recent developments.

Qualified applicants should send their C.V., names of three references, and a cover letter detailing their career objectives to: **William Klein, Ph.D., Department of Biochemistry and Molecular Biology, The University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Blvd., Box 117, Houston, TX 77030. E-mail: wklein@mdanderson.org**

THE UNIVERSITY OF TEXAS
MD ANDERSON
CANCER CENTER
Making Cancer History™

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Section Head Natural Product Microbiology

ALBANY MOLECULAR RESEARCH, INC. (NASDAQ: AMRI), a recognized leader in the provision of chemistry and scientific services to customers in the pharmaceutical and biotechnology industries is seeking a Section Head to manage its Natural Products Microbiology group at its Bothell Research Center in Bothell, WA. (Just outside Seattle, WA.).

The Section Head, Natural Product Microbiology will:

- Lead the molecular biology and genetic analysis efforts of multiple projects and the guidance of productive experimental programs;
- Actively collaborate with synthetic, combinatorial or natural product chemists to advance corporate or client-sponsored discovery programs;
- Lead a team of professional micro/molecular biologists and efficiently manage scientific efforts and resources to ensure the attainment of project and management objectives in a timely manner;
- Assist in defining new strategies for using microbiology and/or genomic technologies to advance natural product drug discovery programs; and
- Effectively communicate results and issues within projects to management and customers with the highest of professional standards.

This position requires a Ph.D. Degree in Microbiology, Molecular Biology or equivalent, five to more years research experience in organic or molecular biology with a pharmaceutical/biotechnology company or academia and a record of significant postgraduate accomplishments in microbiology, molecular biology or gene function.

AMRI employees enjoy competitive salaries, comprehensive benefits, and incentive programs that recognize and reward individual performance and its correlation to company success, as well as an environment that fosters teamwork and opportunities for personal and professional growth. Mail, E-mail, or fax resume and salary requirements to: Human Resources, Albany Molecular Research, Inc., 18804 North Creek Parkway, Suite 100, Bothell, WA 98011. Fax: (425) 424-7299. E-mail: brchr@albomolecular.com. No phone calls please. EOE. M/F/D/V.



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POSITIONS OPEN

PULMONARY/CRITICAL CARE: The Department of Internal Medicine at the University of New Mexico School of Medicine, Division of Pulmonary, Allergy, and Critical Care, announces a search for one to two academic pulmonary and critical care-trained Physician-Scientists (M.D. or M.D./Ph.D.) to enhance productive basic or translational research programs at our institution. Applicants must also be considered for Pulmonary Section Chief at the New Mexico Veterans Health Care System, a tertiary care VA hospital strongly integrated with university programs. Major division and institutional research areas include asthma, lung cancer, heat shock protein biology, hypersensitivity pneumonitis, tuberculosis, and emerging infections such as hantavirus. The Division is also active in ongoing NHLBI Asthma SCOR and NIEHS and NCI Center Development grants and maintains strong ties with Lovelace Respiratory Research Institute in Albuquerque. Minimum requirements: M.D. or M.D./Ph.D., Board certified/Board eligible in pulmonary and/or critical care medicine, *eligible to work in United States*. Preferences: applicants with teaching, patient care, administrative and research experience, and experience obtaining research funding. Applicants should send a letter of interest to: **Pope L. Moseley, M.D., M.A., Chairman, Department of Internal Medicine, University of New Mexico School of Medicine, 2211 Lomas N.E., ACC 5, Albuquerque, NM 87131. Telephone: 505-272-4751; e-mail: pmoseley@salud.unm.edu. Equal Employment Opportunity/Affirmative Action.**

DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS Case Western Reserve University

The Department of Physiology and Biophysics invites applications for **TENURE-TRACK FACULTY** at the junior level or from more senior faculty in the general area of protein structure and function. We particularly encourage candidates with expertise in proteomics, macromolecular structure, and/or biophysical chemistry of proteins, although excellence in cutting-edge biomedical research rather than topic area is of greatest importance. The Department has very strong research programs in molecular biophysics and physiology and is currently ranked sixth in NIH funding. We offer a highly interactive environment, a positive and supportive research culture, and a highly competitive start-up package. Please submit curriculum vitae; a statement of future research directions; three representative reprints; and the names, addresses, and telephone numbers of four references to: **Dr. W. K. Surewicz, Department of Physiology and Biophysics, 10900 Euclid Avenue, Cleveland, OH 44106-4970. Visit our website: <http://physiology.cwru.edu>. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.**

SCIENTIST

Exelixis Plant Sciences, an agricultural functional genomics and biotechnology company that develops improved plant products and provides technology to the agricultural industry, is seeking a Scientist to develop and supervise research projects. Position requires a Ph.D. or equivalent in molecular biology or genetics and three years of experience to include two years of postdoctoral experience in genetics and developmental biology; two years of postdoctoral experience using *Arabidopsis thaliana* as an experimental system with emphasis in genetic and molecular analysis of plant growth and development; two years of experience with plant and invertebrate model systems; and two years of experience in plant tissue culture, generation of transgenics, confocal and fluorescent microscopy, DNA sequence software, and image analysis software. All experience may be gained concurrently. See our website: <http://www.exelixis.com> for more details. Send résumé and cover letter addressing each requirement to: **Exelixis Plant Sciences, Inc., Attention: Human Resources Manager, 16160 S.W. Upper Boones Ferry Road, Portland, OR 97224.**

POSITIONS OPEN



FACULTY POSITIONS Genomics, Proteomics, and Gene Regulation Temple University

The College of Science and Technology of Temple University is inviting applications or nominations for multiple faculty positions in the Center of Biotechnology with tenure-track appointments in the Department of Biology. As a result of a major basic science expansion, nine faculty members have joined/are joining the Department of Biology, which now has peer-reviewed grant support in excess of \$10 million per year. Faculty members will be expected to conduct high-quality funded research and to contribute to Temple's educational mission at both the undergraduate and graduate levels. The levels of academic appointment and decisions concerning a tenured appointment will be based on levels of research and teaching accomplishments. Applications for **ASSOCIATE PROFESSOR** or **PROFESSOR** must have a research program supported by external peer-reviewed grant support and a substantial publication record. Strengths in the life sciences at Temple include the areas of molecular biology, neurobiology, virology, neurovirology, cell biology, genetics, and biochemistry. Emphasis in the current search will be placed on the applicant's ability to contribute to an interdisciplinary approach to genomics, proteomics, and gene regulation. Applications should include curriculum vitae, publication list, statements of recent research achievements and research plans, and teaching experience and philosophy. Please include the names, addresses, and telephone numbers of four references. Materials should be addressed to: **Dr. Ralph Hillman, Chair, Biotechnology Search Committee, College of Science and Technology, Room 409 A, Barton Hall, Temple University, Philadelphia, PA 19122. Additional information can be obtained at website: <http://www.temple.edu/biology>.**

Temple University is an Equal Opportunity/Affirmative Action Employer. Applications from women and members of underrepresented minorities are encouraged.

ECOLOGIST/ORGANISMAL BIOLOGIST: Franklin and Marshall College invites applications for an anticipated one-year position at the **VISITING ASSISTANT PROFESSOR** level starting July 2002 pending Provost's approval. Candidates should have Ph.D., combined strengths in teaching and research, and commitment to undergraduate research. Teaching responsibilities include (1) lecture and laboratory sections of introductory core course in ecology, evolution, and heredity; (2) upper-level elective in ecology or organismal biology. The college enrolls 1,800 students; it is a highly selective, coeducational liberal arts college with a tradition of excellence in science and student research. Please send curriculum vitae, plans for actively engaging undergraduates through teaching and research, and graduate and undergraduate transcripts; also arrange for three letters of recommendation. Review of applications begins February 19, 2002. Send applications to: **Professor Clark Pike, Department of Biology, Franklin and Marshall College, P.O. Box 3003, Lancaster, PA 17604. Telephone: 717-291-4118; FAX: 717-358-4548; e-mail: c_mccintyre@fandm.edu; website: <http://www.fandm.edu/Departments/Biology>. The College is committed to cultural pluralism through the hiring of minorities and women. Equal Opportunity Employer/Affirmative Action.**

POSTDOCTORAL POSITION

Available immediately to study the identification and regulation of proteins in the lung fluid. Visit website: <http://www.pharmacy.umaryland.edu>. Training in protein biochemistry and pharmacology highly preferred. Candidates should send résumé and summary of previous research to e-mail: psc_search@rx.umaryland.edu for Dr. K. C. Kim, University of Maryland School of Pharmacy, Baltimore, MD 21201.

POSITIONS OPEN

ASSISTANT PROFESSOR AND PROGRAM COORDINATOR in Regional Sustainability

The Institute of Arctic Biology at the University of Alaska Fairbanks seeks applications for a position as Assistant Professor and Program Coordinator to participate in developing and directing a graduate training program in regional resilience and adaptation. This interdisciplinary program will train graduate students in regional studies that foster ecological, economic, and cultural sustainability. The position is a nontenure-track faculty appointment with funding for five years. The primary responsibility of the person in this position is to facilitate the training of graduate students in regional resilience and adaptation. The Program Coordinator will work with the Program Director to design courses, seminars, and research opportunities for graduate students in the program and will work with students to facilitate interdisciplinary communication and research. Duties include coordination of instruction; developing a seminar series; arrangement of research internships; and building partnerships with Alaska native organizations, businesses, and management agencies. The successful applicant is encouraged to engage in research on regional resilience and adaptation or on interdisciplinary education. The program is described in detail at website: <http://www.regional-resilience.uaf.edu>.

Applicants must have a Ph.D. (or equivalent experience) plus training or research experience in at least two of the following fields: ecology, economics, anthropology, political science, environmental sciences, resource management, education, or related fields. Teaching and research experience in northern regions is desirable. Applications will be received by 1 February 2002 or until the position is filled and shall consist of a cover letter, curriculum vitae, two-page statement of interests and experience in regional studies combining natural and social sciences, UAF application form (available at website: <http://www.uaf.edu/uafhr/jobs/index.html>), and letters from four references. Contact: **Stuart Chapin; e-mail: terry.chapin@uaf.edu. The University of Alaska Fairbanks is an Affirmative Action Employer. Women, protected, and minority applicants are encouraged to apply.**

RESEARCH ASSISTANT PROFESSOR AND POSTDOCTORAL POSITIONS available immediately to join a chemical biology group studying molecular mechanisms involved in HIV-1 replication (see website: <http://www.umassmed.edu/bmp/faculty/rana.cfm>). (1) Molecular/Cell Biologist to study protein-protein interactions and nuclear RNA trafficking in human cells. Strong background in biochemistry or cell biology is required. (2) Organic and Physical Chemists: projects involve combinatorial libraries synthesis, designing new screening technologies, and fluorescence spectroscopy to analyze the structures of RNA-protein complexes. Send curriculum vitae and names of three references to: **Dr. Tariq M. Rana, Professor and Director of Chemical Biology Program, Department of Biochemistry and Molecular Pharmacology, University of Massachusetts Medical School, 364 Plantation Street, Room 828, Worcester, MA 01605. E-mail: tariq.rana@umassmed.edu.**

CURATOR: Rat Genome Database (RGD), Bioinformatics Research Center. Requires using molecular biology and/or genetics knowledge to provide data curation services for RGD project. Develop and review appropriate genomic data; identify relevant scientific journal articles; collect and load data from articles into automated database system. Serve as primary contact person to team of international Scientists; organize, collect, and distribute data from international rat genome centers; solve data conflict problems; provide liaison between data generating and distribution sites. Requires use of Windows 95, Office 95 or 97, and WWW browsers and servers (e.g., Medline). Bachelor's degree in biology sciences required. Salary: \$46,350 per year; 40 hours per week. Reply to: **Medical College of Wisconsin, Employment Office, 8701 Watertown Plank Road, Milwaukee, WI 53226.**

DIRECTOR OF RESEARCH Naval Research Laboratory



ES 5 or 6, \$133,700* per annum (includes locality pay)
*Rate limited to that rate for Level III of the Executive Schedule

Become the leader of an elite research and development community involved in basic and applied scientific research and advanced technological development for tomorrow's Navy and for the Nation.

- Provides executive direction and technical leadership to the scientific and support divisions of NRL, which as the Navy and Marine Corps Corporate Laboratory, conducts a broadly based multi-disciplinary program of scientific research and advanced technological development directed toward new and improved material, equipment, techniques, systems, and operational procedures.
- Directs the planning of a long-range research program and formulates operating policies for the Laboratory.
- Represents NRL and the Commanding Officer in contacts and consultations with other Government organizations and with industrial and university laboratories.
- Applicants should be recognized as national/international authorities and should have planned and executed difficult programs of national significance that show outstanding attainments in their field of research.
- Visit NRL's Executive Search website at <http://www.jobs.nrl.navy.mil/> for application procedures.
- Receipt by **28 February 2002** is required.
- For further information contact Kathy Weaver, Human Resources Office, NRL at Kweaver@HRO1.nrl.navy.mil or (202) 404-8305.

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University of Pittsburgh

University of Pittsburgh Cancer Institute

Faculty Positions in Molecular and Cellular Oncology Research

Several new tenure-track faculty positions are available for investigators working on defining basic molecular mechanisms of the neoplastic process. Areas of interest for these positions include DNA damage repair and signaling pathways controlling genome stability, cell cycle control and growth, apoptosis, genomic analysis of tumorigenesis, chromatin structure, and studies of cancer-related pathways in model organisms.

The University of Pittsburgh Cancer Institute is a vigorous and cooperative environment of programs encompassing basic, translational, and clinical research. In July 2002, the Hillman Cancer Center will open as an integrated cancer research and care facility and will accommodate the research laboratories for these positions. Pittsburgh is a most livable city, with continual scientific growth and a thriving cultural scene.

This recruitment is focused at the Assistant Professor level, although a position at a more senior level may be available for an individual with an established research program. Candidates should have a Ph.D. or M.D. degree and postdoctoral experience. Please submit a CV with publication list, a short research proposal and contact information for 3 referees to:

Dr. Richard D. Wood
Leader, Molecular and Cellular Oncology Program,
University of Pittsburgh Cancer Institute
S867 Scaife Hall Box 100, 3550 Terrace Street
Pittsburgh, PA 15261
<http://www.upci.upmc.edu/>

Documents (preferably as a pdf file) can also be sent to R.D. Wood at: smithp4@msx.upmc.edu. Consideration of applications will begin 15 March 2002.

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Of all the
amazing feats
Salt Lake City
will play host to,
none is greater
than the one you
could accomplish
with us.



Frankly, gold medals and world records pale in comparison. Because simply put, **Myriad Proteomics** is initiating a quantum leap forward in exploration of the human proteome. Clearly, the challenges are daunting in a task of such unprecedented complexity. By the same token, our discoveries will help to unveil new biological pathways relevant to important human diseases.

This landmark endeavor will require the concerted efforts of uniquely gifted individuals in many disciplines, including:

Bioinformatics Scientist (MP1229-1042)

In this position, you will aid in the analysis of high-throughput experiment data and tackle a wide range of scientific problems in the development of algorithms/software, mathematical models and/or statistics. You will also consult with software developers on scientific issues and with laboratory scientists on informatics issues.

A Ph.D. in Mathematics, Physics, Statistics, Computer Science or another scientific discipline is essential. Good computer programming and communication skills and a willingness to interact constructively with laboratory scientists and software developers are required. You must also be strongly motivated to develop an understanding of biology. Previous experience collaborating with molecular biologists, familiarity with UNIX and knowledge of C++, Java, Perl and SQL are all preferred.

If you'd like to be part of a project that is truly a once-in-a-lifetime opportunity in a place that is imminently rewarding, we invite you to send your resume or CV (please reference appropriate job code) to proteomicsjobs@myriad.com. You can read detailed job descriptions at www.myriad.com/proteomics/employment.html



Equal Opportunity Employer.

POSITIONS OPEN

FACULTY OPENINGS SCHOOL OF MATERIALS SCIENCE AND ENGINEERING Georgia Institute of Technology

The School of Materials Science and Engineering at the Georgia Institute of Technology is seeking to add two tenure-track faculty positions to our dynamic team of internationally recognized faculty, students, and alumni. Applications from all areas are encouraged. Qualified candidates must hold a Ph.D. or equivalent in materials science and engineering or a related field. Candidates must possess the ability to teach and develop undergraduate and graduate courses in subjects appropriate to the School as well as to develop a high-quality, independent research program.

Qualified candidates should send a letter of application including research interests, curriculum vitae, copies of three publications, and the names and addresses (surface mail and e-mail addresses) of at least three references to:

Professor Will Rees
Chair, Faculty Search Committee
School of Materials Science and Engineering
Georgia Institute of Technology
Atlanta, GA 30332-0245
Telephone: 404-894-4049
FAX: 404-894-1144

E-mail: will.rees@chemistry.gatech.edu

Additional information about the academic and research programs in the School of Materials Science and Engineering can be found at website: <http://www.mse.gatech.edu>.

Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and underrepresented minorities are strongly encouraged.

LECTURER/SENIOR LECTURER Microbiology and Cell and Molecular Biology Fixed-Term Appointment

The School of Biological Sciences seeks to make a fixed-term appointment for up to two years at the level of Lecturer/Senior Lecturer. The appointee will establish and teach an introductory microbiology course for biomedical science students and will lecture in other cell and molecular biology courses. There will be opportunities for research and supervision of graduate student research. Applicants with a background in medical or public health microbiology or in manipulation of microbial metabolic pathways are especially welcome, but other specialties will also be considered. Further information about the staff, research, and teaching in the School of Biological Sciences can be found at website: <http://www.sbs.vuw.ac.nz> and information about the University itself from website: <http://www.vuw.ac.nz>.

Applications close 1 February 2002. Commencement by 1 July 2002 is desirable. Please quote Reference SA0164B. An application pack is available from the Faculty of Science; Telephone: +64-4-463 5100; e-mail: science.appoint@vuw.ac.nz; website: <http://www.nzjobs.co.nz/vuw>.

Integra LifeSciences Holdings Corporation (NASDAQ: IART) develops, manufactures, and markets neurosurgical medical devices, implants, and biomaterials as well as medical products based on proprietary tissue regeneration technology.

We are seeking a **CLINICAL RESEARCH ASSOCIATE** who will act as liaison with our customer base (Physicians and clinical personnel) on issues relating to our products and research programs. You will be able to extrapolate sufficient information in order to discuss issues with academic and clinical collaborators. You will also support our corporate clinical and basic research activities.

Position requirements: a combination of a Bachelor's or Master's degree in biological/clinical science, training in statistical analysis, and a demonstrated ability to independently research medical/scientific issues. Some medical industry or related work experience preferred.

Résumés may be e-mailed to: jgordon@integra-ls.com or FAXED to: J. Gordon, Integra Life Sciences; Telephone: 609-275-3684.

POSITIONS OPEN

MOLECULAR BIOLOGIST/ CELL BIOLOGIST/ IMMUNOLOGIST

The School of Medicine at the University of Alabama at Birmingham is seeking a new faculty member at the **ASSISTANT/ASSOCIATE PROFESSOR** level on the tenure track to develop program in molecular parasitology. Appointment rank to be determined based on qualifications and experience. The position requires a Doctoral degree in molecular biology, biochemistry, immunology, cell biology or a related discipline and at least two years of experience in that field. The emphasis will be on an independent, laboratory-based Investigator who is motivated to build a molecular parasitology program dovetailing with existing strengths at UAB. In addition to the requisite technical expertise, an important qualification will be a commitment to institutionwide collaborative investigation.

Applications will be accepted until the position is filled. Interested candidates should submit their curriculum vitae, a one- to two-paragraph statement of research interests, and three letters of reference to:

Con J. Beckers, Ph.D.
Chair, Search Committee
Division of Geographic Medicine
University of Alabama at Birmingham
(BBRB 206)
845 19th Street South
Birmingham, AL 35294-2170

UAB is an Equal Employment Opportunity Employer.

ENDOWED CHAIR of Environmental Science and Engineering/College of Science, Engineering, and Technology, Murray State University. Full-time, **TENURE-TRACK POSITION** to begin July 2002. Applicants must be recognized leaders in basic and/or applied research in aquatic environmental systems. Chair will have an active role in a new undergraduate environmental engineering program and the Commonwealth Center for Reservoir Research. Qualifications: Ph.D. in environmental science, environmental engineering, or closely related discipline and a distinguished record of research and scholarship appropriate to the rank of **FULL PROFESSOR**. Some environmental engineering credential via degree or experience required. Responsibilities: Develop a nationally visible and externally funded research program that complements existing interdisciplinary research activities in reservoir and watershed science. Teach one upper-level specialty course or seminar course per year. Develop an active graduate program. Specific research area open but should be complementary to both environmental engineering and water science. Application deadline: March 1, 2002. To apply: Send statement of research interests; current curriculum vitae; and names, addresses, and telephone numbers of four references to: **Dr. David S. White, Center for Reservoir Research, 561 Emma Drive, Murray, KY 42071. Telephone: 270-474-2272.** Women and minorities are encouraged to apply. Murray State University is an Equal Education and Employment Opportunity, Minorities/Females/Disabled, Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE Neuroplasticity

NIH-funded position available for **POSTDOCTORAL FELLOW** to carry out research on hypoxia and hyperoxia-induced cellular neuroplasticity in the carotid body and its sensory (petrosal) ganglion. Functional protein expression will be studied using molecular genetic methods, ELISA, and immunocytochemistry. Functional studies using extracellular recording methods will also be carried out. Ph.D. or equivalent required. Send curriculum vitae and three letters of reference to: **Dr. Gerald Bisgard, Department of Comparative Biosciences, University of Wisconsin, 2015 Linden Drive West, Madison, WI 53706. Telephone: 608-263-4649; e-mail: bisgardg@svm.vetmed.wisc.edu.** Deadline: March 15, 2002. This Fellowship is not limited to U.S. citizens or permanent residents. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

PROFESSOR/CHAIR CELL AND MOLECULAR BIOLOGY Correction to Previous Ad Run in the December 7, 2001, Issue of Science

The University of Hawaii John A. Burns School of Medicine is seeking a full Professor of Cell and Molecular Biology to serve as Department Chair of an expanding Department of Cell and Molecular Biology in a reinvigorated medical school under the leadership of a dynamic new Dean. Reporting directly to the Dean, this position will oversee and direct all academic, research, educational, and professional operations of the Department and will oversee the training of medical students using the problem-based learning approach. A key focus of the position will be on developing and leading an initiative in the molecular genetics of disease prevention. This is a full-time, general funded, 11-month, tenure-track position (Number 83025) to begin approximately April/May 2002 pending position clearance and availability of funds. For detailed information on duties, responsibilities, and required qualifications, please refer to website: <http://www.hawaii.edu/news/job.vacancies.html> and click on Ku Lama 1/18/02. To apply: Send curriculum vitae, cover letter, and names of five references to: **T. Samuel Shomaker, M.D., University of Hawaii, John A. Burns School of Medicine, Dean's Office, 1960 East-West Road, Honolulu, HI 96822.** Applications by e-mail not acceptable. Closing date: April 1, 2002. Inquiries: **Dr. T. Samuel Shomaker; Telephone: 808-956-5747; e-mail: shomaker@hawaii.edu.** An Equal Employment Opportunity/Affirmative Action Institution.

TENURED POSITION IN BIOCHEMISTRY University of Wisconsin-Madison

The Department of Biochemistry at the University of Wisconsin-Madison invites applications for a position at the **ASSISTANT PROFESSOR** level. Applications in all areas of biochemical research are invited. The University and Department provide an excellent environment for the development of an outstanding research program. The laboratory of the appointed candidate will be housed in a new facility and the position will include excellent start-up support. The successful candidate will be expected to develop a vigorous, independent research program and participate in the undergraduate and graduate teaching programs of the Department. Applications including curriculum vitae, list of publications, and a brief summary of accomplishments and direction of future research should be sent to: **Professor H. F. DeLuca, Chair Department of Biochemistry, University of Wisconsin-Madison, 433 Babcock Drive, Madison, WI 53706-1544.** Applications should be received by February 8, 2002, to ensure consideration. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

POSTDOCTORAL FELLOWSHIPS MOLECULAR GENETICS

Postdoctoral Fellowships in molecular genetics of neuropsychiatric diseases are available at Washington University, St. Louis, Missouri. M.D. or Ph.D. candidates may have degrees in genetics, molecular biology, neurology, or psychiatry. Projects range from genetic linkage and disequilibrium studies of complex traits to functional studies of disease genes. Program faculty located within the Departments of Psychiatry, Genetics, and Anatomy and Neurobiology are conducting molecular studies of Alzheimer's disease, attention deficit disorder, bipolar disorder, Parkinson's disease, substance dependence, and schizophrenia. This is an NIMH Institutional Postdoctoral Fellowship grant. Only United States citizens and permanent residents may apply.

Please send a letter of application including research interest, transcripts, a copy of your curriculum vitae, and the names of three references to: **Alison Goate, D.Phil., Washington University School of Medicine, Department of Psychiatry, 660 South Euclid Avenue, Box 8134, St. Louis, MO 63110-1093.**

Washington University is an Equal Opportunity/Affirmative Action Employer.

International Senior Research Fellowships in Biomedical Science

Czech Republic / Estonia / Hungary / Poland

The Trust wishes to invite applications for five year senior research fellowships in biomedical science to be held in the *Czech Republic, Estonia, Hungary or Poland* to commence in 2003.

Purpose: to support outstanding researchers, either medically qualified or science graduates, who wish to establish a research career in a Czech, Estonian, Hungarian or Polish academic institution.

Eligibility: applicants need not be nationals of the country where they wish to hold their fellowships. Candidates will normally be expected to have spent part of their research career abroad. Applications will be accepted from those who are currently overseas or who have returned to the country where the fellowship will be held. Proposals can also be considered from those who have pursued successful careers entirely in-country. Applications are particularly encouraged from outstanding scientists working outside their own countries who wish to return home.

It is expected that candidates will have a doctoral qualification (equivalent to a UK PhD) or a clinical qualification (equivalent to a UK MD). Candidates should have between *five and ten years'* research experience at a postdoctoral level or clinical equivalent and have a substantial record of publications in their chosen area of research in leading international journals.

All candidates must have a sponsor in their host department who will guarantee space and facilities, and can guarantee that the fellow will be welcomed in the host institution. The sponsor must hold an established post at the host institute.

The host institution should be able to provide a future career position for the fellow, subject to its usual selection procedure. It is hoped that on completion of his or her award the fellow would be given the opportunity to become a more permanent member of staff.

Before submitting a full application, candidates must obtain written authority that their host institutions would be willing both to accept and administer the award according to the Trust's standard grant conditions. It is intended that collaborations developed during the tenure of these fellowships will be of a continuing nature. Following the tenure of such a fellowship, the Trust will be prepared to consider applications for further support through one of its collaborative schemes.

Research Support Available: the salary offered will be according to age and experience and on appropriate academic scales. Applicants should discuss the appropriate salary with their sponsor. The essential costs of the research programmes will also be provided, including research expenses, equipment and research personnel if appropriate. All these requests must be fully justified.

Application Procedure: candidates should complete a preliminary application form, which can be obtained from the Wellcome Trust or downloaded as a PDF [11k] from the Trust's web site: www.wellcome.ac.uk/en/1/biosgintinfunrowifc.html. The form should be returned to the Wellcome Trust by **26 April 2002**. Late submissions will not be accepted.

Timetable: short-listed candidates will be notified in early July and invited to submit a full application. Full applications must be returned to the Wellcome Trust by **16 September 2002**. Late submissions will not be accepted. Those selected for interview will be informed in writing in early 2003 and the interviews will take place in **March 2003**.

Contact: enquiries and requests for preliminary application forms may be directed to: **International Biomedical Programme (SRF), The Wellcome Trust, 183 Euston Road, London NW1 2BE, United Kingdom. Tel: +44 (0)20 7611 8764; Fax: +44 (0)20 7611 8373. E-mail: international@wellcome.ac.uk Web: <http://www.wellcome.ac.uk>**



The Wellcome Trust

The Wellcome Trust is a charity whose mission is to foster and promote research with the aim of improving human and animal health (registered charity no. 210183). Its sole Trustee is The Wellcome Trust Limited, a company registered in England, no. 2711000, whose registered office is 183 Euston Road, London NW1 2BE.

BERNARD B. LEVINE FELLOWSHIP IN MALARIA BIOLOGY AND IMMUNOLOGY

A post-doctoral fellowship is available immediately for studies of the biology of the preerythrocytic stages (EEFs) of malaria parasites. The goal is to identify new antigens that elicit cell-mediated effector mechanisms that destroy EEFs. The candidate must have a PhD or MD degree, a solid background in molecular biology, and publications in international journals. Individuals with training in immunology/cell biology are encouraged to apply. The appointment is for a minimum of two years. The salary is commensurate to experience up to \$40,000 a year.

Please send curriculum vitae and the names and addresses of three referees to:

Dr. Victor Nussenzweig
Department of Pathology
NYU School of Medicine
550 First Avenue
New York, NY 10016
E-mail: [nussev01@popmail.med.nyu.edu](mailto:nusse01@popmail.med.nyu.edu)



Mayo Clinic Mayo Graduate School Associate Dean for Faculty Development

Mayo Graduate School seeks an innovative and creative professional educator to lead its effort to investigate and adapt new teaching modalities to the training of Ph.D. students in the biomedical sciences. This new position will be responsible for leading and working with faculty to study and implement technology-enhanced learning activities and to evaluate the efficacy of all curriculum components. This is a truly unique opportunity to study and advance the training of future biomedical scientists.

The successful candidate will have an education-related doctorate with demonstrated potential to apply education theory and methods to the unique environment of laboratory research training. Alternatively, candidates may have a biomedical research doctorate with advanced training in education theory and methods. Candidates must have demonstrated skill and experience working with faculty and the varied styles they bring to teaching.

This is a faculty-level appointment with an excellent compensation and benefits package. Interested candidates should forward a curriculum vitae and a letter of interest which captures the experiences and interests they would bring to the position to:

Richard McGee, Ph.D., Chair
Search Committee
Mayo Graduate School
200 First St SW
Rochester, MN 55905
507-284-0339
rmcgee@mayo.edu

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

POSITIONS OPEN

TWO POSITIONS AVAILABLE UMBC Bioinformatics Research Center

The emerging Bioinformatics Research Center of the University of Maryland, Baltimore County, invites applications for two positions in the Center: **RESEARCH SCIENTIST** and **ASSISTANT PROFESSOR**. The University has committed a multiyear plan for faculty and staff lines as well as for resources to the Center, beginning with the recent hiring of a director and business director.

The Center seeks applicants from several disciplinary backgrounds (biological, statistical, mathematical, computational sciences) with strong research experience and collaborative interests. Preferred areas of concentration are molecular evolution and functional genomics. The Research Scientist position is a nontenure-track, multiyear appointment involving research and service. The Assistant Professor position is a tenure-track position involving research, teaching, and service that will include a faculty appointment in an appropriate affiliated academic department.

Review of applications will begin in February 2002 and continue until the positions are filled. Candidates are urged to apply without delay. To apply, send a letter of application, curriculum vitae, statement of research interests, and have at least three letters of recommendation sent to: **Search Committee, Bioinformatics Research Center, Department of Mathematics and Statistics, UMBC, Baltimore, MD 21250**. Clearly identify the position for which you are applying.

UMBC is an Affirmative Action/Equal Opportunity Employer.

PH.D. TRANSMISSION ELECTRON MICROSCOPIST, Procter & Gamble. Procter & Gamble in Cincinnati, Ohio, seeks a Transmission Electron Microscopist with strong technical skills and a solid understanding of chemical and colloidal systems relevant to the consumer products business. Responsibilities include cryo-TEM and freeze-fracture analysis of surfactants, emulsions, and complex mixtures along with development and application of novel TEM technologies. The successful candidate will join a core microscopy laboratory where teamwork and individual initiative are highly valued. The group forms active partnerships with technology and product development to support a broad range of initiatives. The candidate should have a Ph.D. in chemical engineering, materials science, chemistry, or physics. Postdoctoral experience is desirable. The candidate will be expected to effectively and creatively combine core scientific training with advanced instrument technologies in a dynamic, problem-solving environment. Solid leadership, communication, and project management abilities are critical. Apply online at website: http://www.pg.com/jobs/apply_now and refer to Ad Code NAUSD001243.

A broadly trained stable-isotope **PLANT ECOLOGIST** is sought who can utilize, manage, and further develop the Stable-Isotope Facility at the University of Wyoming. This full-time, nine-month, tenure-track faculty position (website: <http://uwyo.edu/RenewableResources/>) will be filled at the **FULL, ASSOCIATE, or ASSISTANT PROFESSOR** level. Position responsibilities are 50% research, 25% teaching, 25% stable-isotope facility administration. Application review will commence on 6 March 2002. Contact Search Committee Chair **Peter Stahl** for more information; Telephone: 307-766-2179; e-mail: unclem@uwyo.edu.

ASSOCIATE RESEARCH SCIENTIST

Associate Research Scientist in pharmacology at Columbia University. Must have M.D. or Ph.D. degree and be highly skilled in clinical electrophysiologic techniques. Expertise in electrocardiography and vectorcardiography required. Send curriculum vitae to: **Michael R. Rosen, M.D., Columbia University, PH 7W 321, 630 West 168th Street, New York, NY 10032**. Columbia University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

NATURE CENTER DIRECTOR: Lynchburg College seeks qualified applicants for a unique opportunity to serve as director of its 475-acre Claytor Nature Study Center in Bedford County, Virginia. The Director will provide general leadership, visioning, and management of the Center and its activities. The successful applicant is expected to write grants, coordinate environmental education with K-12 school groups, assist the Lynchburg College office of Enrollment Management, serve as liaison with natural resource organizations, provide support for student research in the natural sciences, represent the Center to the community at large, and teach one course per semester in area of expertise. Further information is available at website: <http://www.lyncburg.edu/sciencepositions>.

Applicants must have a Master's or Doctorate degree and be qualified to teach at the college level in a specialty related to the mission of the Claytor Nature Study Center. Send letter of application, curriculum vitae, evidence of experience with environmental resource management, copies of graduate transcripts, and a list of three references including addresses and other contact information including telephone numbers and e-mail addresses to: **James E. Carico, Dean, School of Sciences, 1501 Lakeside Drive, Lynchburg, VA 24501**. E-mail: carico@lyncburg.edu. Equal Opportunity Employer.

POSTDOCTORAL TRAINING PROGRAM

in neurobiology, Columbia University. Emphasis is placed on the analysis of the cellular and molecular basis of neural development, behavior, and behavioral plasticity. Training faculty includes **Asa Abeliovich, Richard Axel, Craig Bailey, Jane Dodd, Vincent Ferrera, Michael Gershon, Claude Ghez, Joseph Gogos, Daniel Goldberg, Michael Goldberg, James Goldman, Jacqueline Gottlieb, Lloyd Greene, Robert Hawkins, René Hen, Joy Hirsch, Oliver Hobert, Thomas Jessell, Eric Kandel, Robert Kass, Tae Wan Kim, John Koester, Arnold Kriegstein, Irving Kupfermann, Ronald Liem, Amy MacDermott, John Martin, Carol Mason, Ning Qian, Stephen Rayport, Lorna Role, Daniel Salzman, Samuel Schacher, Peter Schieffele, Claudia Schmauss, James Schwartz, Michael Shelanski, Steven Siegelbaum, and Dominique Toran-Allerand**. Applicants for this NIMH-sponsored program must have the M.D., Ph.D., or D.V.M. degree and be either U.S. citizens or have permanent residency status. Send curriculum vitae, a letter describing research interests, and three letters of reference to: **Admissions Committee, Postdoctoral Training Program, Center for Neurobiology and Behavior, 1051 Riverside Drive, Unit 87, New York, NY 10032**. An Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF BIOLOGY Two-Year Visiting Position

The Department of Biology at Vassar College seeks a Biologist or Ecologist specializing in evolution or genetics to teach courses in introductory biology, intermediate genetics and/or ecology, and advanced evolutionary biology. Supervision of independent undergraduate research as it interfaces with the candidate's personal research program is expected. Ph.D. required. Send curriculum vitae; teaching and research statements; and two letters of recommendation to: **Biology Search, P.O. Box 731, Biology Department, Vassar College, Poughkeepsie, NY 12604-0731** by March 8, 2002. Vassar College is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION to study the mechanism of heterochromatin-mediated gene silencing in yeast (see *Cell* 105:403-414, 2001). Submit curriculum vitae with a brief description of research interests and names of three references to: **Dr. David S. Gross, Department of Biochemistry and Molecular Biology, Louisiana State University Health Science Center, P.O. Box 33932, Shreveport, LA 71130-3932**. E-mail: dgross@lsuhsc.edu. LSUHSC is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

INFORMATION SPECIALIST IN MOLECULAR BIOLOGY/GENETICS University of Pittsburgh

The Health Sciences Library System and the Center for Computational Biology and Bioinformatics, University of Pittsburgh, invite applications for the position of Information Specialist in molecular biology/genetics. The University of Pittsburgh is seeking an individual with bioinformatics experience who is interested in providing consultation services to others. Position offers an exciting opportunity to develop and provide new, specialized, information-based services to be coordinated with program initiatives and research activities in the six Schools of the Health Sciences. Opportunities for bioinformatics research are also available to the Information Specialist. Required qualifications include graduate degree in bioinformatics or related field; experience in bioinformatics research; familiarity with biomedical resources, software, and databases; and knowledge of research trends in computational biology, bioinformatics, genomics, and proteomics. For complete position description and qualifications, see website: <http://www.hsls.pitt.edu/openings.html>. Salary competitive and commensurate with experience. Send application letter, résumé, and names of three references to: **Patricia C. Mickelson, MLS, Director, Health Sciences Library System, University of Pittsburgh, Scaife Hall, DeSoto and Terrace Streets, Pittsburgh, PA 15261**. Applications accepted until position is filled; first consideration given to applications received by March 1, 2002. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

DIRECTOR INSTITUTE OF ECOLOGY University of Georgia

The Institute of Ecology at the University of Georgia, Athens (website: <http://www.ecology.uga.edu>), seeks a new Director at the **PROFESSOR** level to build and continue excellence in research, outreach, and academic programs. The Institute of Ecology is embarking on a new endeavor as part of the recently established College of Environment and Design, creating an opportunity for growth and change in current programs. We seek candidates with strong research credentials; administrative experience; and commitment to program development, service, and outreach. Application materials include cover letter; curriculum vitae; and names, e-mail, telephone numbers, and addresses of three to five references. Please address application materials to: **Chair, Search Committee, c/o Ms. Del Burton, Institute of Ecology, University of Georgia, Athens, GA 30602 U.S.A.** E-mail: dburton@sparrow.ecology.uga.edu. Review of applications will begin March 1, 2002, and applications received by that date are assured consideration. Desired start date: January 1, 2003. The University of Georgia is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

CONSULTANT COMPUTATIONAL BIOLOGY GS-691

The University of Minnesota Supercomputing Institute seeks to hire a person with a computational biology or biochemistry background to join a dynamic group that provides a high level of technical support for Researchers at the Institute. The candidate must have expertise in computational aspect of molecular modeling, structural chemistry, and/or structural biology. Please see website: <http://www.msi.umn.edu> under heading employment opportunities for details on this position. To apply, please send letter of interest and résumé to:

**Ann Johns
Digital Technology Center
599 Walter Library
117 Pleasant Street S.E.
Minneapolis, MN 55455
E-mail: johns@dtc.umn.edu**

Postdoctoral Fellowships In Molecular Neuropsychopharmacology Studies Of Mood Stabilizers And Antidepressants

National Institute of Mental Health / National Institutes of Health
Bethesda, Maryland (USA)

The Molecular Neurotherapeutics Unit, Laboratory of Molecular Pathophysiology, NIMH Intramural Research Program has immediate openings for postdoctoral research fellows. These are full time research positions for individuals with less than 5 years of postdoctoral research training, and are open to U.S. and non-U.S. citizens who have an M.D. and/or Ph.D. with training in molecular biology, cell biology, pharmacology, neuroscience, or in a related discipline. The successful candidates will be part of a multidisciplinary team that investigates the effects of mood-stabilizers (such as lithium and valproate) and antidepressants on cell signaling, gene expression, and synaptic plasticity both in cultured cells and animal models of mood disorders. The postdoctoral fellow will work within a collaborative environment in a newly equipped laboratory that has direct contact to a clinical research program. Available resources include cDNA microarray, laser capture microdissection, confocal microscopy, neuroimaging and stereo investigator for histochemical analysis, a transgenic/knockout core facility, and behavioral/circadian monitoring facilities. Send letter of interest outlining experience and research goals, cv/bib, three letters of recommendation, transcript, and a copy of degree to Guang Chen, M.D., Ph.D., National Institute of Mental Health, Bldg. 49, Rm. B1EE16, 49 Convent Drive, Bethesda, MD 20892, gchen@acodon.nih.gov.



NIH is an Equal Opportunity Employer



FACULTY POSITIONS IN STEM CELL BIOLOGY

The Carl C. Icahn Institute for Gene Therapy and Molecular Medicine at the Mount Sinai School of Medicine invites applications for Tenure-Track positions in stem cell biology. Applicants with expertise in any one of several stem cell systems including mesenchymal, hematopoietic, neuronal, pancreatic, hepatic, muscle as well as mouse and human ES cells will be considered. These position(s) represent a new initiative within the Institute aimed at consolidating a world-class research program in stem cell biology that will complement existing strengths in hematopoiesis, developmental biology, neurobiology, liver cell biology and cardiovascular research at the Mount Sinai School of Medicine. Successful candidates will be expected to establish outstanding independent research programs in focused aspects of stem cell biology. The candidate's ability to synergize with existing programs in the School of Medicine will be an important consideration in the selection process. The Mount Sinai School of Medicine offers a dynamic and rapidly growing research environment with state-of-the-art core facilities, including flow cytometry, confocal microscopy, microarray analysis, DNA sequencing and mouse genetics. In addition, the unique strength and commitment of Mount Sinai in translational research offers the long-term prospect of participating in clinical trials. Candidates must have a Ph.D. and/or M.D. degree, and at least 3 years of postdoctoral training or equivalent research experience.

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

Gordon Keller, Ph.D.
Carl C. Icahn Institute for Gene Therapy and Molecular Medicine
Box 1496, Mount Sinai School of Medicine
New York, NY 10029

Dow is a leading science and technology company that provides innovative chemical, plastic and agricultural products and services to many essential consumer markets. With annual sales of \$30 billion, Dow serves customers in more than 160 countries and a wide range of markets that are vital to human progress, including food, transportation, health and medicine, personal and home care, and building and construction, among others. Committed to the principles of sustainable development, Dow and its 50,000 employees seek to balance economic, environmental and social responsibilities.

Process Development Leader (Job # 0100402)

To direct and integrate process development of protein extraction from plant materials and final purification of that protein under cGMP, and with analytical support, integrate the development of appropriate and necessary analytical methods with the development of the manufacturing process. The successful candidate will also establish priorities and integrate timelines for various projects with other team members and communicate these to management, clients and work groups. In addition, the candidate will be expected to participate on the technical management team providing input on timelines, regulatory and quality strategies, project capacity, resource needs and budgets. Position requires 8-10 years experience in bioprocessing with a clear focus on protein purification under cGMP and interaction with relevant regulatory bodies.

Senior Process Development Specialist (Job # 0100401)

To develop processes for extraction of pharmaceutical proteins from plants. The successful candidate will be expected to collaborate with project leaders to develop and implement timelines and milestones for the project. In addition, the candidate will also be expected to work closely with other teams to integrate downstream protein purification processes with analytical development. The position requires a minimum of 5-8 years experience in bioprocessing or solids processing, preferably in corn grain. Experience in protein chemistry or purification would be desirable. You must have the ability to work well within a team environment and a track record of meeting milestones and rigorous timelines.

Project Manager (Job # 0100403)

To plan and coordinate activities for multidisciplinary biopharmaceutical contract development and manufacturing projects including developing and operating a Project Planning / Monitoring work process. The successful candidate will also be expected to interface with internal and external customers to effectively deliver on contractual obligations. In addition the candidate will be expected to communicate and provide exemplary customer service to clients, manage all aspects of client contracts, including reporting a rolling forecast of revenue and billing for each project. The individual will also work with our business development team in the preparation of proposals, Gantt charts and resource requirements. A BS or MS in a life science discipline is preferred with at least 5 years prior experience in project management in pharmaceutical or biotechnology industry required.

Dow is an equal opportunity employer offering a competitive compensation and benefits package. Positions are located in San Diego CA

Apply online by March 17, 2002 to:

www.careersatdow.com

Only those selected for an interview will be contacted.



POSITIONS OPEN

The Department of Pathology and Anatomy, Division of Cell Biology and Genetics, at the University of North Texas Health Science Center at Fort Worth invites applications for a state-supported, tenure-track faculty position at the **ASSISTANT or ASSOCIATE PROFESSOR** level. Applicants must have at least three years of postdoctoral experience. The successful candidate will be expected to continue an active, established research program or demonstrate elevated potential for obtaining extramural funding. Consideration will be given to candidates with strong backgrounds in any area of molecular biology, cell biology, or molecular genetics. The selected individual will be expected to participate in teaching in the graduate and medical school programs. Competitive space and start-up funding are available. Applicants should send curriculum vitae, reprints of significant publications, a statement of research and teaching interests, and three references to: **Dr. Patrick R. Cammarata, Chair, Cell Biology and Genetics Search Committee, Department of Pathology and Anatomy, University of North Texas Health Science Center at Fort Worth, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2699. Telephone: 817-735-2045; FAX: 817-735-2610; e-mail: pcammarata@hsc.unt.edu.** Review of applications will begin December 1, 2002, and continue until the position is filled. *UNTHSC is an Affirmative Action/Equal Opportunity Employer.*

Saint Louis University, a Catholic, Jesuit Institution dedicated to education, research and health care, is seeking applicants for a **POSTDOCTORAL POSITION** available in the medical biochemistry laboratory of the Department of Internal Medicine at Saint Louis University School of Medicine. The successful candidate will study the biochemistry of the feeding processes of malaria parasites including the effects of antimalarial drugs on the vesicular uptake and processing of hemoglobin. Applicants should have recently earned a Ph.D. in biochemistry, microbiology, cell biology, or related field. E-mail curriculum vitae and three references to: **Coy D. Fitch, M.D.; e-mail: fitchcd@slu.edu.** *Saint Louis University is a Affirmative Action/Equal Opportunity Employer and encourages nominations of and applications of women and minorities.*

DEPARTMENT OF UROLOGY COLUMBIA UNIVERSITY

Seeking Board-certified/Board-eligible Urologist to perform neurology and general urology at the **INSTRUCTOR/ASSISTANT/ASSOCIATE PROFESSOR** faculty levels. Applicants should have extensive experience in all areas of voiding dysfunction, urodynamics, female urology, incontinence, spinal cord injury, and BPH as well as general urology. Send curriculum vitae and letter to: **Steven A. Kaplan, M.D., Given Professor of Urology, Columbia University, 161 Fort Washington Avenue, New York, NY 10032.** *Columbia University is an Affirmative Action/Equal Opportunity Employer.*

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

POSTDOCTORAL RESEARCH FELLOWSHIPS: Positions are available for Postdoctoral Fellows experienced in molecular biology, immunology, and protein chemistry. The research undertaken involves viral and immunological features of HIV infection. Must be a U.S. citizen or have permanent resident status and meet NIH standards for postdoctoral funding. Send curriculum vitae and the names of three references to: **Jay A. Levy, M.D., Division of Hematology/Oncology, Department of Medicine, University of California, San Francisco, CA 94143-1270. E-mail: levylab@itsa.ucsf.edu.**

POSITIONS OPEN

DIRECTOR DIVERSITY IN CLINICAL CARE, RESEARCH, AND TRAINING Memorial Sloan-Kettering Cancer Center

Memorial Sloan-Kettering, established in 1884, is the world's oldest and largest private institution devoted to prevention, patient care, research, and education in cancer. To facilitate our efforts in addressing the increased cancer burden in minority populations in effort to reduce health disparities, we are seeking a Director, Diversity in Clinical Care, Research, and Training. As a senior-level faculty member, this person will lead Memorial Sloan-Kettering's efforts to encourage and increase diversity in recruitment and develop clinical and basic research activities and training programs that address the increased cancer burden in minority populations. The Director will serve as a point person within MSKCC for minority-related issues, questions, and programs.

Please send curriculum vitae and bibliography to:

**Richard Payne, M.D.
Chairman, Search Committee
c/o Jean T. Jordan, Manager
Academic Administration
Memorial Sloan-Kettering Cancer Center
1275 York Avenue
New York, NY 10021
Telephone: 212-639-5819
E-mail: jordanj@mskcc.org**

MSKCC is an Equal Opportunity/Affirmative Action Employer.

SENIOR SCIENTIST Oncology

Xenogen Corporation, a biotech company in the San Francisco Bay area that employs a patented bioluminescent technology to monitor infectious disease and cancer *in vitro* and in the living organism and a leader in the field of molecular biophotonics, has an opening for a Senior Scientist in its oncology group. This is an opportunity to apply and expand Xenogen's *in vivo* monitoring and tracking in the area of carcinogenesis. Projects will include building transgenic models of carcinogenesis using bioluminescent reporters. The successful candidate will have expertise in transgenic oncology models as well as in molecular biology as it applies to analyzing the multiple pathways involved in tumor cell growth, invasion, and metastasis. Familiarity with animal tumor models and their pathology is a must. The position requires a Ph.D. and postdoctoral experience. Industry experience is a plus.

Please mail or FAX résumés to:

**Human Resources Department
Xenogen Corporation
860 Atlantic Avenue
Alameda, CA 94501
FAX: 510-291-6146
Website: <http://www.xenogen.com>**

Equal Opportunity Employer.

RESEARCH MICROBIOLOGIST POSITION

AIDS Center of New York Veterans Affairs Medical Center seeks an outstanding candidate for a Research Microbiologist position. Candidate must have a Doctoral degree (Ph.D. or equivalent) and at least five years of postdoctoral experience. Candidate must have training and experience of the highest quality in studies of HIV genetic and antigenic variability and the implication in vaccine design for global utility, must demonstrate ability to do independent research, must have experience working overseas and with international collaborators, must have a track record of obtaining grant support as well as a record of publications in outstanding scientific journals, and must hold active NIH and VA research funding. Applications should be sent to: **Dr. Susan Zolla-Pazner; e-mail: zollas01@popmail.med.nyu.edu; FAX: 212-951-6321.**

POSITIONS OPEN

POSTDOCTORAL POSITION

A position funded by the Cardiovascular Center of Excellence is available to study the signal transduction mechanisms related to the effect of nitric oxide and protein tyrosine phosphatases on migration and proliferation by vascular smooth muscle cells. Our projects address basic science questions but also have relevance to clinical problems. Recent publications include *Circ. Res.* **84:655-667, 1999; Am. J. Physiol.** **281:H1598-1605, 2001.** Experience in the techniques of molecular biology is essential. Send curriculum vitae and the names of three references to: **Dr. Aviv Hassid, Department of Physiology, University of Tennessee, 894 Union Avenue, Memphis, TN 38163. E-mail: ahassid@physiol.utm.edu; FAX: 901-448-7126.**

POSTDOCTORAL FELLOW

A Postdoctoral position in a developmental neurobiology laboratory at the University of Utah School of Medicine is available immediately to study cellular mechanisms of activity-dependent development and survival in the auditory system. Because the main experimental approach is the introduction of transgenes into chick embryos via microelectroporation, applicants should have a strong background in molecular biology. Experience with experimental embryology would be an asset. Please send curriculum vitae to: **Drs. Lance Zirpel and Thomas N. Parks, Department of Neurobiology and Anatomy, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132. E-mail: zlance@neuro.utah.edu or tom.parks@hsc.utah.edu.** *The University of Utah is an Equal Opportunity/Affirmative Action Employer.*

PH.D. PROGRAM IN EXPERIMENTAL PATHOLOGY

Make a difference! Unravel the molecular and cellular pathogenesis of aging, atherosclerosis, biochemical toxicology, cell cycle progression and apoptosis, chemical carcinogenesis, chronic mycobacterial and borrelial disease, tissue engineering, and vascular-traumatic-neoplastic neurologic disease under the guidance of our interdisciplinary faculty. Attractive campus in suburban Westchester close to New York City. Accepted applicants receive full stipends and tuition waivers. Interested? Contact: **Henry P. Godfrey, M.D., Ph.D., Ph.D. Program Director, Department of Pathology, New York Medical College, Valhalla, NY 10595-1690. Telephone: 914-594-4146; e-mail: hgogdfrey@nymc.edu; website: http://www.nymc.edu/bms/exp_path.htm.** *Equal Opportunity Employer.*

POSTDOCTORAL POSITION Cytoskeletal Regulation and Gene Expression

A Postdoctoral position is available immediately to study cytoskeletal regulation and gene expression in airway smooth muscle cells. Techniques include confocal microscopy, cytoskeletal fractionation, Western blotting, RT-PCR, and muscle mechanics. The applicant must hold a Ph.D./M.D. or equivalent. Experience with cell or molecular biology is desirable but not essential. Please send curriculum vitae with names of three references to: **Chi-Ming Hai, Ph.D., Brown University, Box G-B3, Providence, RI 02912. E-mail: chi-ming_hai@brown.edu.** *Brown University is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION available to investigate gene expression in tumors of the breast and uterus. Experience in molecular biology and genomics including the techniques of microarray analysis, tissue arrays, and microdissection desired. Surgical pathologist preferred. Salary: \$36,000 per year. Send curriculum vitae and three references to: **Dr. Ruth A. Lininger, University of North Carolina School of Medicine, Department of Pathology and Laboratory Medicine, CB Number 7525, Chapel Hill, NC 27599-7525.** *Equal Opportunity/Americans With Disabilities Act Employer.*

FACULTY POSITION IN
BASIC CANCER RESEARCH
UNIVERSITY OF CALIFORNIA, IRVINE

The Department of Molecular Biology and Biochemistry in the School of Biological Sciences, and the Chao Family Comprehensive Cancer Center (an NIH-designated comprehensive cancer center) announce the availability of a tenure-track position in basic cancer biology at the ASSISTANT PROFESSOR level. Applicants should hold Ph.D., M.D. or equivalent degree, and should have demonstrated the ability to develop and lead a research program in basic cancer research and to teach at the undergraduate and graduate levels. Research areas of primary interest are oncogenic large DNA viruses or angiogenesis, although outstanding candidates pursuing other areas of cancer research also will be considered.

The University of California, Irvine has an active career partner program and an NSF ADVANCE Program for Gender Equity.

Applicants should submit a description of their research accomplishments and future plans, a Curriculum Vitae, and a list of at least four references to:

Dr. Hung Fan
Chair, Cancer Biology Search Committee
Department of Molecular Biology and
Biochemistry
University of California
Irvine CA 92697-3900

DEADLINE FOR RECEIPT OF APPLICATIONS: Review of applications will begin on March 15, 2002 and the recruitment will remain open until filled.

The University of California, Irvine is an equal opportunity employer committed to excellence through diversity.

**THE HONG KONG UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEPARTMENT OF BIOCHEMISTRY
Faculty Position**

The Department of Biochemistry invites applications for a tenure-track faculty position at the Assistant Professor level. Applicants should have a PhD degree and relevant research experience.

Three major research areas are active in the Department: (a) cellular regulation and signaling, (b) biotechnology and medicinal biochemistry, and (c) macromolecular structure and function. The Department is interested in appointment in functional genomics/proteomics, protein biochemistry and neurobiology. Scientists eminent in other areas will also be considered. Teaching responsibilities include undergraduate and graduate courses.

Starting salary will be commensurate with qualifications and experience. Fringe benefits including medical/dental benefits and annual leave will be provided. Assistance in housing will also be provided where applicable. Initial appointment will normally be on a three-year contract. A gratuity will be payable upon successful completion of contract. Re-appointment will be subject to mutual agreement.

Applications/nominations should be sent with curriculum vitae, together with the names and addresses of three referees to the **Secretary of the Search Committee, Department of Biochemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong (Fax No. 852-2358-2765) before 28 February 2002.**



**DIRECTOR, NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
NATIONAL INSTITUTES OF HEALTH (NIH)**

THE POSITION: The NIH is seeking exceptional candidates for the position of Director, National Institute of Mental Health (NIMH). The Director, NIMH, plans, directs, and coordinates a comprehensive program to increase knowledge and advance effective strategies to deal with problems and issues in the promotion of mental health and the prevention and treatment of mental illness, through a budget that is currently over \$1.2 billion per year. The program includes basic and clinical research on the biological, genetic, biochemical, and psychological causes and treatment of mental illness. The Director, NIMH, is responsible for the formulation and execution of a major scientific intramural and extramural research program designed to ensure the enhancement of the nation's mental health. The Director, NIMH provides consultation to nationally affiliated groups and is a lead advisor to the Director, NIH, the Surgeon General, and the Secretary for Health and Human Services on policy matters concerning mental health.

THE CHALLENGE: The Director, NIMH, ensures that the Institute (1) conducts and supports research and research training on the biological, genetic, psychological, behavioral, epidemiological, legal, and social science aspects of mental health and mental illness; (2) conducts and supports mental health services research concerned with the impact of the organization, financing, and management of health services on the quality, cost, access to, and outcome of care; (3) provides assistance to, and encourages other Federal agencies and national, foreign, State, and local organizations, hospitals, professional associations, and volunteer groups to facilitate and extend programs to promote mental health, treat, and ultimately, prevent mental illness; (4) collects, analyzes, and disseminates scientific findings and data on the incidence, prevalence, and resources for the treatment of mental illness; and (5) conducts educational activities, including the collection and dissemination of educational materials concerned with mental health issues for health professionals and the lay public.

THE QUALIFICATIONS REQUIRED: Applicants must possess an M.D., Ph.D., or M.D./Ph.D. or equivalent degree in biomedical or behavioral sciences or related health sciences, plus increasingly responsible senior-level research expertise and knowledge of research programs in one or more scientific areas related to mental health and mental illness. Applicants should be known and respected within their profession, both nationally and internationally, as individuals of outstanding scientific competence in basic and clinical mental health research activities. Candidates should have demonstrated leadership of a research program involving extensive planning, program assessment, and analysis of program objectives; the development of plans for the resolution of major operational problems and issues; and management of financial and human resources, including selecting, managing, and motivating staff using fair and equitable staffing/recruitment practices, and dealing with diverse scientific and nonscientific groups.

SALARY/BENEFITS: The Director, NIMH, will be appointed at a salary commensurate with his/her qualifications and experience. New federal hiring flexibilities allow the NIH salary and compensation to be competitive with major academic centers. Full Federal benefits, including leave, retirement, and savings plan (401K equivalent) will be provided.

HOW TO APPLY: Applicants must submit a current Curriculum Vitae, and bibliography to: **Ms. Ellen Rolfes, National Human Genome Research Institute, National Institutes of Health, Building 31, Room 4B25, 31 Center Drive MSC 2154, Bethesda, MD 20892-2154.** Applications may also be sent via email to ellenr@exchange.nih.gov.

**APPLICATIONS MUST BE RECEIVED BY CLOSE-OF-BUSINESS
March 30, 2002.**

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

POSITIONS OPEN

PRE- AND POSTDOCTORAL TOXICOLOGY FELLOWSHIPS Oregon State University

Oregon State University (OSU) offers interdisciplinary training in toxicology through predoctoral degree programs in environmental and molecular toxicology, biochemistry, pharmacy, and the molecular and cellular biology program and through Postdoctoral Fellowships. The NIEHS training grant, available to U.S. citizens or permanent residents only, offers financial support and provides unique research opportunities to selected predoctoral candidates and Postdoctoral Fellows. Support is available on a competitive basis to applicants with a B.S., M.S., or Ph.D. in chemistry, biochemistry, pharmacology, toxicology, or the biological sciences. A limited number of graduate Fellowships are also available through the Linus Pauling Institute. Affiliated faculty members provide challenging basic science academics while mentoring students as they develop individual research projects; this intensive course of study leads to the M.S. or Ph.D. degree in toxicology. Training is provided in diverse areas including analytical, aquatic, biochemical, comparative, environmental, and molecular toxicology with an emphasis on a mechanistic approach. Research projects focus on some aspect of toxicology or environmental health. Former graduates hold professional positions in government, academia, and industry. OSU has two NIEHS-designated research centers, the Environmental Health Sciences Center (EHSC) and the Marine/Freshwater Biomedical Sciences Center, both with state-of-the-art equipment as well as specialized research facilities and opportunities. A number of faculty are affiliated with the Linus Pauling Institute, which is dedicated to the study of the relationship between dietary micronutrients and human health. Visit the EHSC website: <http://www.ehsc.orst.edu> (see Training Programs) for information on the Toxicology Program faculty and their areas of research. For more information, contact: **Dr. David E. Williams, Department of Environmental and Molecular Toxicology, Oregon State University, Corvallis, OR 97331. E-mail: david.williams@orst.edu; Telephone: 541-737-3277; FAX: 541-737-5077.** Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973. Minority applications are encouraged.

POSTDOCTORAL FELLOWSHIP POSITION Lipase Biology

Postdoctoral position open for enthusiastic, highly motivated Ph.D. with expertise in molecular and cellular biology/biochemistry. The NIH-funded position will investigate the role of hepatic lipase in cholesterol homeostasis including steroidogenesis and atherosclerosis. Experimental systems include transgenic and gene-targeted animal models and primary cell cultures. Position available immediately. Send summary of research experience, curriculum vitae, and the names of three references to: **Dr. Helén L. Dichek, Department of Pediatrics, Post Office Box 356320, University of Washington, Seattle, WA 98195. E-mail: hdichek@u.washington.edu.** The University of Washington is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

VICAL CLINICAL RESEARCH SCIENTIST

Vical Inc. in San Diego, California, is currently seeking a Clinical Research Scientist who has a Ph.D. or equivalent. Candidate will be responsible for analyzing clinical data for safety and efficacy with statistical considerations, writing clinical trial reports for the FDA, writing manuscripts for peer-reviewed publications, and other duties as assigned. Must have experience with oncology and/or infectious disease-related products. Candidate will have experience in statistics, clinical data analysis, INDs and clinical study protocols. If interested, please send your résumé to: **Vical Inc., 9373 Towne Centre Drive, Suite Number 100, San Diego, CA 92121. FAX: 858-646-1150; e-mail: cgoodall@vical.com.** Reference Job Code Number 1230.

POSITIONS OPEN

POSTDOCTORAL AND TECHNICIAN POSITIONS

available immediately for federally funded research projects to develop antibody and nucleic acid probe-based biosensor assays for near real time detection of foodborne, waterborne, and infectious disease microbial pathogens and indicator microorganisms. Successful candidates for these positions will be part of a well-funded interdisciplinary team of researchers working on projects leading to the next generation of innovative biosensing and diagnostic technologies. Molecular biology and microbiology experience required. Competitive salaries offered. Contact: **Dr. Daniel Lim; e-mail: lim@chumal.cas.usf.edu** or send curriculum vitae and statement of research interests to: **Dr. D. Lim, Department of Biology, University of South Florida, 4202 East Fowler Avenue, SCA110, Tampa, FL 33620-5200.** University of South Florida is an Affirmative Action/Equal Opportunity Employer. For disability accommodations, please contact **Janet Gauthier; Telephone: 813-974-6210** at least five days in advance of needs.

POSTDOCTORAL IN CELLULAR IMMUNOLOGY Laboratory of Virology

Lindsley F. Kimball Research Institute, a division of New York Blood Center, one of the world's leading centers for basic and applied research in hematology and transfusion medicine, currently has an excellent opportunity to study immunopathogenesis of HCV and HBV vaccination.

Our vaccine program involves basic immunology research (B cell, Th cell, and cytotoxic T lymphocyte studies); vaccine design; and clinical assessment of vaccine efficacy.

To qualify, you must have a Ph.D. or M.D./Ph.D. in biology or immunology and one to two years of experience in tissue cultures and cellular immunology techniques. Experience in flow cytometric analysis, PCR, and/or immunochemistry techniques preferred but not required.

We offer a competitive salary and a comprehensive benefits package. For immediate consideration, please forward your résumé with salary requirements to:

**Human Resources Department DG,
New York Blood Center
1200 Prospect Avenue
Westbury, NY 11590
FAX: 516-478-5243**

**E-mail: careers@ccmail.nybc.org
Website: <http://www.nybloodcenter.org>**
Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

POSTDOCTORAL FELLOWSHIPS available. Applicants are sought for positions in the Endocrine Division of Physiology at Dartmouth Medical School. One successful candidate will join an exciting research project related to autocrine regulation of lung and breast cancers by neuropeptides and immunotargeting. One other will work with a project related to regulation of gene expression by either thyroid hormone or aldosterone. Applicants must be U.S. citizens or permanent residents with a Ph.D. or M.D. Experience with techniques in molecular biology, sterile cell culture, or protein purification is desirable. Send curriculum vitae and names of three references to: **Dr. William G. North, Professor of Physiology, Dartmouth Medical School, 1 Medical Center Drive, Lebanon, NH 03756. E-mail: william.g.north@dartmouth.edu; Telephone: 603-650-7736; website: <http://www.dartmouth.edu/~physiol/>.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH OPENING BIOINFORMATICS/PROTEOMICS University of North Carolina at Chapel Hill

We are seeking candidates for a Postdoctoral Research Fellow position in our laboratory within the Departments of Biomedical Engineering and Microbiology and Immunology at University of North Carolina at Chapel Hill. Our group works on development of both computational and bench methods for linking proteins to genes with a specific focus on proteins coded by nonstandard mechanisms such as alternative splicing and recoding. The laboratory provides opportunities for both *in silico* biology as well as wet laboratory studies, and we have state-of-the-art computational and mass spectroscopy facilities available. We are a young and enthusiastic group looking for another enthusiast with the right background to join us and do interesting and groundbreaking scientific work. A variety of projects might be pursued in the use of computational methods to solve interesting problems in the proteomics arena. We are looking for someone with a Ph.D. in a relevant area such as bioinformatics, molecular biology, microbiology, biochemistry, pharmacology, or computer science. The key ingredients are experience with both biology/biochemistry and solid computational skills. We want to find someone who can work independently yet be part of a team effort developing systems to automate proteomic analysis. Please submit curriculum vitae (with references) to: **Michael Giddings, Ph.D., preferably via e-mail (pdf or Postscript) to e-mail: giddings@bme.unc.edu.** Paper copies can be sent to: **Michael Giddings, Department of Biomedical Engineering, CB Number 7575, 152 MacNider Building, UNC-Chapel Hill, Chapel Hill, NC 27599-7575.** The University of North Carolina is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION

A Postdoctoral research position is available in the Institute for Cancer Genetics at Columbia University to study molecular mechanisms of DNA repair in mammalian cells. Projects use mouse and human cell lines and transgenic mouse approaches to examine repair in hematopoietic cells and the potential for damage to lead to leukemia and lymphoma. Candidates should possess a Ph.D. in molecular/cellular biology or related discipline. Please send curriculum vitae and three letters of reference to: **Christine Richardson, Institute of Cancer Genetics, Columbia University, 1150 St. Nicholas Avenue, RBP Number 318, New York, NY 10032.**

Columbia University takes Affirmative Action to ensure Equal Opportunity.

POSTDOCTORAL POSITIONS Department of Microbiology University of Washington

Positions are immediately available to study enzyme function, mechanism, and specificity involving human topoisomerase I and retroviral reverse transcriptases using the tools of genetics, biochemistry, molecular biology, and crystallography. Send curriculum vitae and names of three references to: **Dr. James J. Champoux, Department of Microbiology, Box 357242, University of Washington, Seattle, WA 98195. E-mail: champoux@u.washington.edu.**

POSTDOCTORAL POSITIONS are available at the University of California, San Diego, to study gene regulation related to pain transduction. Individuals experienced in immunohistochemistry, *in situ* hybridization, electrophysiology, behavioral pharmacology, and/or molecular biology are encouraged to apply to work with **David Luo, Robert Myers, Linda Sorokin, or Tony Yaksh.** U.S. citizenship/permanent residency required. Curriculum vitae to: **Chris Radewicz, Department of Anesthesiology, UCSD, 9500 Gilman Drive, La Jolla, CA 92093-0818. E-mail: cradewicz@ucsd.edu.** Equal Opportunity Employer.

THE UNIVERSITY OF MANCHESTER

Faculty of Medicine, Dentistry, Nursing and Pharmacy
Division of Cardiovascular Medicine

Physician-Scientist in Cardiovascular Medicine

Ref: 007/02

Based at the Medical School, you should be an outstanding independent investigator who will join our team of internationally recognised cardiovascular researchers, to provide academic leadership in your chosen area of research.

The intention is to build upon our pre-existing strengths in Hypertension, Lipids, Heart Failure, Cardiac Physiology, Vascular Biology, Angiogenesis, Matrix Biology and Gene Therapy. The clinical and laboratory facilities available are excellent both within embedded hospital accommodation and in the adjacent Medical School building.

You will deliver six sessions per week, three of which are fixed. In addition, you will undertake administrative duties associated with the care of your patients and the running of Department in collaboration with other academic colleagues.

You will be encouraged to take the opportunity for Continuing Medical Education on a regular basis. The Trust is committed to providing time and financial support to accrue the number of CME credits as recommended by the Royal College of Physicians.

You will be expected to possess a wide experience in all aspects of general medicine with a broadly based expertise in cardiovascular medicine. You should have a higher medical qualification registered in the United Kingdom for appointment to Clinical Senior Lectureship in Medicine.

Interested candidates are invited to discuss the position informally with Professor A M Heagerty.

Tel: +44 (0)161 276 4575;

E-mail: tony.heagerty@man.ac.uk

Salary will be in the range £50,810 - £66,120 p.a.

Application forms and further particulars are available at:

<http://www.man.ac.uk/news/vacancies>,

or from the Office of the Director of Personnel,

The University of Manchester, Oxford Road,

Manchester M13 9PL. Tel: +44 (0)161 275 2028;

Fax: +44 (0)161 275 2471; Minicom (for the hearing impaired): +44 (0)161 275 7889;

E-mail: personnel@man.ac.uk

Closing date: 11 February 2002.

Please quote reference number.

As an Equal Opportunities Employer, the University welcomes applications from suitably qualified people from all sections of the community regardless of race, religion, gender or disability.



THE UNIVERSITY
of MANCHESTER



POSTDOCTORAL POSITIONS Division of Experimental Pathology Rochester, Minnesota U.S.A.

Postdoctoral Positions in the Division of Experimental Pathology are immediately available for highly motivated individuals to study the molecular mechanisms underlying breast, brain, ovarian, and prostate cancer development using molecular genetics and functional genomics approaches. The research environment in the Division offers an excellent opportunity for training and career development in basic and/or translational science.

The following positions are currently available:

Fergus J. Couch, PhD: Structure function studies of the BRCA2 tumor suppressor; Characterization of novel oncogenes from a 17q23 amplicon in breast tumors. Couch.fergus@mayo.edu

Wanguo Liu, PhD: Genetic and biochemical analysis of the AXIN2 gene in the APC/beta-catenin signaling pathway; Characterization of the genes involved in prostate cancer risk and susceptibility. Liu.wanguo@mayo.edu

C. David James, MD, PhD: Analysis of the role of EGFR in brain tumor metastasis using *in vitro* and *in vivo* models. James.charles@mayo.edu

Robert Jenkins, MD, PhD: An evaluation of the biologic relevance of genetic alterations in gliomas; An evaluation of the biologic relevance of genetic alterations associated with prostate cancer progression. Jenkins.robert@mayo.edu

Vijayalakshmi Shridhar, PhD: Role of novel pro-apoptotic genes identified from cDNA microarray analysis and SSH libraries in ovarian cancer. Shridhar.viji@mayo.edu

David I. Smith, PhD: Analysis of the genes in the common fragile sites in cancer development; Role of viral integration in the development of cancer. Smith.david@mayo.edu

Stephen N. Thibodeau, PhD: Transcriptional profiling in colon cancer to identify markers for screening, diagnosis and prognosis; Expression analysis of tumors with deficient mismatch repair. Thibodeau.stephen@mayo.edu

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic Rochester is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment.

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

Christene M. Hettinga
Mayo Clinic
200 First Street SW
Rochester, MN 55905, USA

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

POSITIONS OPEN

POSTDOCTORAL POSITIONS available to study the immunopathogenesis of HIV and human cytomegalovirus (CMV). Areas of HIV research examine the immunologic response to HIV during active infection and immune reconstitution; the interaction of HIV with dendritic cells; and the impact of chemokine, chemokine receptor, and cytokine genotypes on HIV pathogenesis including the impact on mother-to-infant transmission, disease progression, and the development of CNS impairment. CMV research examines immunopathogenesis, interactions with dendritic cells, and role of chemokines and cytokines in CMV pathogenesis. Experience in cellular immunology required. Applicants must have spoken and written fluency in English. Applicants should provide curriculum vitae and three letters of recommendation to: **Stephen A. Spector, M.D., University of California, San Diego, Stein Research Building, 9500 Gilman Drive, La Jolla, CA 92093-0672. E-mail: saspector@ucsd.edu.**

POSTDOCTORAL RESEARCH ASSOCIATE position available at the Nutrition and Health Program for a Ph.D. in toxicology, environmental health, or related areas to study the endpoints of pesticide exposure in blood and urine of farm workers and identify potential biomarkers. Knowledge of molecular biology and pesticide biochemistry essential. Expertise in biochemical and cytogenetic techniques and good communication skills are required. For more information, contact: **Myna Panemangalore, Ph.D.; Telephone: 502-597-6029; e-mail: mpaneman@gwmail.kysu.edu.** Send résumé, transcripts, and three letters of recommendation to: **E. Beasley, Cooperative Extension Building, Kentucky State University, 400 East Main Street, Frankfort, KY 40601. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIP available immediately for an individual with immunology and molecular virology experience to work in laboratory using SIV-macaque model to explore role of dendritic cells in HIV transmission/pathogenesis. Requires a Ph.D. in immunology, molecular virology, or a related field; ability to work independently and as part of a team; and good communication/organization skills. Please send curriculum vitae, the names and addresses of three individuals to whom letters of reference can be sent, and a letter of interest to: **Dr. Melissa Pope, Population Council, 1230 York Avenue, Box 273, New York, NY 10021. E-mail: mpope@popcouncil.org; FAX: 212-327-7764; website: http://www.popcouncil.org.** No telephone calls, please. *Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL FELLOW

Immediate opening for entry-level Postdoctoral position to work on the regulation of sterol gene expression and metabolism in *S. cerevisiae* (*J. Biol. Chem.* 276:12702, 2001). We are seeking a Ph.D. with expertise in GC/MS analysis of lipids who wants to gain an expertise in yeast genetics. Send your curriculum vitae and three letters of reference to: **Joe Nickels, Ph.D., Department of Biochemistry, MCP Hahnemann University, 245 North 15th Street, Philadelphia, PA 19102. E-mail: jn27@drexel.edu.**

POSTDOCTORAL POSITIONS available immediately to study the proteasome structure-function and downstream IRES translation initiation in eukaryotic microbes. Strong background in biochemistry is required. Must have a recent Ph.D. and/or M.D. degree. Send curriculum vitae and names of three references to: **Dr. C.C. Wang, Department of Pharmaceutical Chemistry, University of California, San Francisco, CA 94143-0446. FAX: 415-476-3382; e-mail: ccwang@cgl.ucsf.edu.**

POSITIONS OPEN

INVESTIGATOR

The Division of Rheumatology, Department of Medicine at the University of Massachusetts, is seeking a Rheumatologist or Ph.D. with a laboratory-based research program to join the faculty at the **ASSISTANT or ASSOCIATE PROFESSOR** level. Substantial time (80%) can be devoted to laboratory research. Applicants for this tenure-track position are requested to send curriculum vitae, bibliography, names of three references, and statement of research interests to:

**Robert B. Zurier, M.D.
Director of Rheumatology
Department of Medicine
University of Massachusetts Medical School
55 Lake Avenue North, Worcester, MA 01655**

The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer with a strong commitment to fairness and diversity.

RESEARCH FELLOW POSITION

An NIH Postdoctoral Fellow position is now available in the laboratory of molecular biology and can provide an opportunity for a highly capable individual to join the NIH community and to explore the biochemical mechanisms of HIV pathogenesis. We are presently assessing the biochemical activity of HIV Nef and its capacity to modify cellular function. Experience with molecular biology of cellular signal pathways and gene expression would be an asset. Interested candidates should forward their curriculum vitae and the names of three references to: **Jon W. Marsh, Chief, Unit on Lymphocyte Function, Laboratory of Molecular Biology, National Institute of Mental Health, Building 36, Room 1B08, 36 Convent Drive MSC 4034, Bethesda, MD 20892-4034. E-mail: jon@codon.nih.gov. NIH is an Equal Opportunity Employer.**

TWO POSITIONS

Landscape Ecology

(1) **POSTDOCTORAL ECOLOGIST** to develop computer models to simulate landscape dynamics and wildlife population dynamics. Ph.D. and experience in computer modeling are required. (2) **RESEARCH ASSOCIATE** in geographic information systems to conduct spatial analyses, display spatial data, maintain databases. M.S. and experience in GIS are required. To apply, see website: <http://www.montana.edu/level2/jobs/html>. For more information, see website: <http://www.homepage.montana.edu/~hansen/hansen/lab/>. Screening of applicants begins February 15, 2002. *Americans With Disabilities Act/Affirmative Action/Equal Opportunity/Veterans' Preference.*

POSTDOCTORAL RESEARCH ASSOCIATE sought to work on cytoskeletal rearrangements in octopus retina. Knowledge of standard molecular/cell techniques and confocal microscopy required. Postdoctoral individual will also train/work with minority undergraduate and Master's students on their individual research projects. Opportunities for teaching in biology department. Send curriculum vitae, publication list, and names/addresses of three references to: **California State University, Dominguez Hills, Human Resources Management, 1000 East Victoria Street, Carson, CA 90747. E-mail: lrobbles@cas.csudh.edu.**

POSTDOCTORAL POSITIONS DEPARTMENT OF BIOLOGY The Pennsylvania State University

Postdoctoral positions are available immediately. Current research involves state-of-the-art technology such as single synapse imaging and recording to do molecular dissection of short-term synaptic plasticity. Salary is competitive and commensurate with experience. Interested candidates with electrophysiology experience should contact: **Dr. Gong Chen; e-mail: gongchen@psu.edu** and/or visit our website: <http://www.bio.psu.edu/Faculty/Chen>. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

POSITION AVAILABLE POSTDOCTORAL RESEARCHER Ecosystem Ecology

The Department of Organismic and Evolutionary Biology seeks a Postdoctoral Fellow/Research Scientist to carry out modeling studies on terrestrial carbon dynamics. The position is for an initial period of one year starting in early 2002 with a renewal option for a second year. Candidates must have a Ph.D. in ecology, biogeochemistry, or a related field and experience with large-scale numerical modeling and data analysis. Proficiency in C or Fortran programming is highly desirable. Please send curriculum vitae and a brief description of research interests and references to:

**Professor Paul Moorcroft
Harvard University
Department of Organismic and
Evolutionary Biology
HUH, 22 Divinity Avenue
Cambridge, MA 02138
Telephone: 617-496-6744
FAX: 617-495-9484**

E-mail: pmoorcroft@oeb.harvard.edu

Harvard University is an Affirmative Action/Equal Opportunity Employer.

CAREER IN OPTOMETRY, OPTOMETRIC RESEARCH, OR TEACHING

The New England College of Optometry offers a unique program for those with a Doctorate in the sciences: biology, chemistry, physics, psychology, etc. Candidates have the opportunity to obtain the Doctor of Optometry (O.D.) degree in 27 months. The program begins annually in June. Employment opportunities exist in clinical practice, industry, optometric faculty positions, and research. Contact: **Admissions Office, Department S, 424 Beacon Street, Boston, MA 02115. Telephone: 1-800-824-5526; e-mail: admission@ne-optometry.edu; website: <http://www.ne-optometry.edu>.** Application deadline: March 1, 2002.

POSTDOCTORAL FELLOW/ RESEARCH SCIENTIST Bacterial Pathogenesis University of Washington

Positions available to study oxidative/nitrosative stress, innate immunity, and related aspects of *Salmonella* pathogenesis. Ph.D. or equivalent required. Experience in immunology or biochemistry desirable. Send cover letter, curriculum vitae, and names of three references to: **Dr. Ferric C. Fang, University of Washington School of Medicine, Box 357242, Seattle, WA 98195-7242. FAX: 206-616-1575; e-mail: fcfang@u.washington.edu.** *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available to study dentin matrix proteins and their roles in human tooth disease. Experience in molecular biology and clinical research is preferred. Applicants should send curriculum vitae and names of three references to: **Anne George, Ph.D., Department of Oral Biology, College of Dentistry, University of Illinois at Chicago, 801 South Paulina Street, Chicago, IL 60612. E-mail: anneg@uic.edu.** Applications postmarked by March 1, 2002. *UIC is an Equal Opportunity Employer.*

GRADUATE PROGRAMS

The Humboldt University Medical School, Charité, now admits graduate and Doctoral students for its international graduate program in medical neurosciences. The interdisciplinary and international graduate program leads to the degrees of M.Sc., Ph.D., or M.D./Ph.D. It addresses both students of medicine and of life sciences (biology, biophysics, psychology, etc.) as it provides a structured education in basic neurosciences to medical students and trains students of the life sciences in medical topics and approaches concerning the central and peripheral nervous system. For more information, please visit website: <http://www.medical-neurosciences.de> or contact: **Lutz Steiner; e-mail: lutz.steine@charite.de; Telephone: +49-30-450-560-226.**

**DEPARTMENT OF CHEMISTRY
RENSSELAER POLYTECHNIC INSTITUTE
SENIOR CHAIRED FACULTY POSITION
IN
SYNTHETIC ORGANIC /BIOORGANIC
CHEMISTRY**

The Department of Chemistry at Rensselaer Polytechnic Institute invites applications/nominations for a senior position in Synthetic Organic Chemistry with an interest in Bioorganic Chemistry to begin as soon as possible. Information about the Department may be accessed at: <http://www.chem.rpi.edu> Outstanding candidates with a commitment to excellence in research and teaching are being sought. The successful applicant will be expected to maintain a Federally funded research program and an excellent teaching record at the graduate and undergraduate levels. Rensselaer is undergoing unprecedented growth in the areas of Biotechnology, Information technology and enabling areas as the result of major capital investments and faculty hires guided by the Rensselaer Plan - a document that outlines a process that has already been supported by an anonymous gift of \$360 million in addition to the proceeds of a large capital campaign. Please submit a detailed resume, an outline of research plans and the names of three referees who may be contacted on the candidate's behalf to: **Prof. James A. Moore, Department of Chemistry, Rensselaer Polytechnic Institute, 110 Eighth St., Troy, NY 12180-3590.** Review of applicants will begin immediately. *RPI is an Equal Opportunity/Affirmative Action Employer. Women and minorities are urged to apply.*

**POSTDOCTORAL RESEARCH
ASSOCIATES
Center for the Study of
Biological Complexity**

The Center for the Study of Biological Complexity (CSBC) of Virginia Commonwealth University (VCU) is recruiting postdoctoral research associates to study genomics and proteomics of *Trypanosoma cruzi* and *Cryptosporidium parvum*. Individuals will join a multi-disciplinary team using microarrays and mass spectroscopy to study differentiation in *T. cruzi*, yeast two-hybrid and three-hybrid analyses to dissect macromolecular interactions in *T. cruzi*, and genomic sequencing and bioinformatics analysis of the *C. parvum* and genome.

Successful applicants will work in the CSBC at VCU - a newly developed "think tank" and research center that applies the principles of systems biology to the study of agents of infectious disease. They will work in state-of-the-art labs that maintain both spotted array and Affymetrix arraying instrumentation, high-throughput sequencing capability, and extensive bioinformatics hardware/software, and have the opportunity to interact with a collaborative group of scientists with common interests.

Candidates should have a Ph.D. and experience in molecular parasitology and pathogenesis or molecular cell biology. Applicants should send a letter of interest, curriculum vitae, and the names of three references to: **Dr. Gregory A. Buck, Director, Center for the Study of Biological Complexity, Virginia Commonwealth University, P.O. Box 842030, 1000 West Cary Street, Suite 111, Richmond, VA 23284-2030; E-mail: buck@hsc.vcu.edu**

VCU is an Equal Opportunity Employer

PRESIDENT



UNIVERSITY OF ALABAMA AT BIRMINGHAM

The University of Alabama System Board of Trustees and Chancellor announce a nationwide search to recruit a President for The University of Alabama at Birmingham (UAB).

One of three institutions in The University of Alabama System, UAB has grown in just over three decades into the state's largest single employer and one of the country's premier comprehensive urban research universities and academic medical centers. UAB enrolls approximately 16,000 undergraduate, graduate and first-professional students in its 136 degree-granting programs. Employing over 16,000 faculty and staff, UAB has an annual operating budget exceeding \$1.3 billion. Its comprehensive fund-raising drive, The Campaign for UAB, has reached 80 percent of its \$350 million goal. The university ranks among the nation's top 30 in federal research and development expenditures, and among the top 20 universities in support from the National Institutes of Health, with over \$360 million in active contracts and grants. World-renowned patient care is provided through the UAB Health System, which oversees the 908-bed UAB Hospital and the institution's other inpatient and outpatient facilities.

The President reports to the Chancellor of The University of Alabama System and is responsible for the overall general management of the UAB campus. The Chancellor and the Board seek a visionary and dynamic leader of national stature who has a demonstrated track record of successfully managing similarly complex institutions or organizations. Unquestioned integrity, outstanding interpersonal and communication skills, substantial fund-raising success, an understanding of the ingredients needed to support and grow a successful research program, and consummate strategic planning abilities are all essential attributes of the successful candidate.

The President Search Advisory Committee will begin to review candidate materials immediately and will continue until a new President is selected. Interested parties are encouraged to submit their credentials by mid-February. Nominations, resumes and letters of interest should be mailed to:

William (Bill) Funk
Consultant to the UAB Presidential Search
2100 McKinney Avenue, Suite 1800
Dallas, Texas 75201
email: krisha.creal@kornferry.com
fax: 214/954-1849

~The University of Alabama System is an Equal Opportunity/Affirmative Action Employer and encourages nominations of and applications from women and minorities.~



EMPLOYMENT OPPORTUNITY

**PRINCIPAL INVESTIGATOR, Research Scientist
UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
Environmental Carcinogenesis Division
Molecular Toxicology Branch
Research Triangle Park, North Carolina**

The U.S. Environmental Protection Agency (EPA) is seeking qualified applicants for the position of Research Biologist, Pharmacologist, Toxicologist or Research Chemist, GS-12/13 (Announcement #RTP-DE-2002-0040). The position serves as a principal investigator within the Molecular Toxicology Branch, Environmental Carcinogenesis Division (ECD), National Health and Environmental Effects Research Laboratory (<http://www.epa.gov/nheerl/ecd/>). This position is located in the Research Triangle Park, North Carolina. This is a permanent, full-time position with a salary range of \$54,275 to \$83,902, per annum, commensurate with qualifications. The selected candidate will be eligible for a full benefits package, including relocation expenses, health insurance, life insurance, retirement, and vacation and sick leave benefits. United States citizenship is required.

The ECD, which consists of three research Branches, is a multidisciplinary carcinogenesis program with an EPA staff of approximately 55 employees. The Division focuses its research on addressing the issues, assumptions, and uncertainties in cancer risk assessment and serves as a focal point for planning, coordinating, conducting, supporting, and evaluating mechanistic research to improve cancer risk assessment. The position conducts a research program that provides a better understanding of the molecular mechanisms underlying the formation of cancers in response to environmental chemicals; trains and oversees a technical staff; collaborates with other researchers to address needs of the EPA; publishes scientific articles in peer-reviewed journals; and delivers lectures and seminars on research accomplishments. The position requires expertise in protein chemistry, including an understanding of the interactions of proteins with other macromolecules, and/or a knowledge of the application of genomics to understanding the mechanisms of carcinogenesis.

HOW TO APPLY: Vacancy announcement and application instructions will be posted on the U.S. Office of Personnel Management (OPM) web site at <http://www.usajobs.opm.gov> as of January 28, 2002 under announcement number RTP-DE-2002-0040. The application deadline is March 15, 2002. For further information, contact the EPA Human Resources Management Division at (800) 433-9633, and reference "ECD MTB PI position."

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

International Senior Research Fellowships in Biomedical Science India and South Africa

The Trust wishes to invite applications for five year senior research fellowships in biomedical science to be held in *India or South Africa* to commence in 2003.

Purpose: to support outstanding researchers, either medically qualified or science graduates, who wish to establish a research career in an Indian or South African academic institution.

Eligibility: applicants need not be nationals of the country where they wish to hold their fellowships. However, it is expected that candidates will have spent a minimum period of three years of their postdoctoral (or equivalent) research career working outside their chosen country. Applications will be accepted from those who are currently overseas or who have returned to the country where the fellowship will be held. Applications are particularly encouraged from outstanding scientists working outside their own countries who wish to return home.

Candidates should have between *five and ten years'* research experience at a postdoctoral level or clinical equivalent and have a substantial record of publications in their chosen area of research in leading international journals.

All candidates must have a sponsor in their host department who will guarantee space and facilities, and can guarantee that the fellow will be welcomed in the host institution. The sponsor must hold an established post at the host institute.

The host institution should be able to provide a future career position for the fellow, subject to its usual selection procedure. It is hoped that on completion of his or her award the fellow would be given the opportunity to become a more permanent member of staff.

Senior Fellows will be eligible to apply for project and programme support from the Trust at the end of their fellowships.

Before submitting a full application, candidates must obtain written authority that their host institutions would be willing both to accept and administer the award according to the Trust's standard grant conditions. It is intended that collaborations developed during the tenure of these fellowships will be of a continuing nature. Following the tenure of such a fellowship, the Trust will be prepared to consider applications for further support through one of its collaborative schemes.

Research Support Available: the salary offered will be according to age and experience and on appropriate academic scales. Applicants should discuss the appropriate salary with their sponsor. The essential costs of the research programmes will also be provided, including research expenses, equipment and research personnel if appropriate. All these requests must be fully justified.

Application Procedure: candidates should complete a preliminary application form, which can be obtained from the Wellcome Trust or downloaded as a PDF [11k] from the Trust's web site: www.wellcome.ac.uk/en/1/biosgintinfundsen.html. The form should be returned to the Wellcome Trust by **26 April 2002**. Late submissions will not be accepted.

Timetable: short-listed candidates will be notified in early July and invited to submit a full application. Full applications must be returned to the Wellcome Trust by **16 September 2002**. Late submissions will not be accepted. Those selected for interview will be informed in writing in early 2003 and the interviews will take place in **March 2003**.

Contact: enquiries and requests for preliminary application forms may be directed to: **International Biomedical Programme (SRF), The Wellcome Trust, 183 Euston Road, London NW1 2BE, United Kingdom. Tel: +44 (0)20 7611 8764; Fax: +44 (0)20 7611 8373. E-mail: international@wellcome.ac.uk Web: <http://www.wellcome.ac.uk>**



The Wellcome Trust

The Wellcome Trust is a charity whose mission is to foster and promote research with the aim of improving human and animal health (registered charity no. 210183). Its sole Trustee is The Wellcome Trust Limited, a company registered in England, no. 2711000, whose registered office is 183 Euston Road, London NW1 2BE.



PROFESSIONAL ASSOCIATE IN RESEARCH

Applicants are sought for an immediate opening as a Professional Associate in Research (PAR) in the Medical Genetics Research Laboratories at the Mayo Clinic, Rochester. Applicants must have a Ph.D. in biochemistry with at least 10 years post-doctoral experience in the study of flavoenzymes and proteins at the biochemical and molecular level, and qualify for an academic appointment as an assistant professor in the Mayo Medical School. The candidate must bring a unique skill, technique or knowledge to the sponsoring program as documented by professional accomplishments and publication record and will have made a career decision to pursue regular employment at Mayo under the sponsorship of an established research staff program. The successful applicant will play a key and permanent supporting role within the research program of the laboratory principal investigator, functioning independently in a research role, and give direction to research fellows, residents, graduate students, and technicians. He/she will work cooperatively with other staff at all levels within and outside the institution, and will significantly contribute to grant writing, serving as co-principal investigator on extramural grant applications submitted by the principal investigator. The PAR is expected to serve as the principal investigator's internal and external representative and resource contact person for the research program and will represent the principal investigator at national meetings. The applicant should be expert in protein purification, spectrophotometric analysis of flavoenzymes, molecular biology techniques, enzymology, and computer aided molecular modeling of protein structure. He/she will significantly participate in personnel and resource management on behalf of the principal investigator, and will independently manage assigned projects and the projects of other laboratory personnel. The PAR will provide input for the direction and design of the projects of others in the lab, and will have direct teaching activities within the investigator's program.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic Rochester is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment.

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

**Dr. Jerry Vockley, M.D., Ph.D.,
Professor and Chair, Department of Medical Genetics
Mayo Clinic Rochester
200 First Street SW, Rochester, MN 55905**

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

SCIENTISTS

Dade Behring, Inc. is a leading global provider of medical diagnostic instruments and reagent systems. Our medical diagnostic instrument and reagent systems and related products are found in clinical laboratories worldwide and in 90% of American hospitals. Having a diverse group of individuals focused on success has helped make us a \$1.2 billion global leader in the medical diagnostics industry. We have immediate needs for individuals interested in a technical leadership career. Responsibilities include *in vitro* diagnostics assay development projects. You will design assay formats, select techniques, optimize reagent conditions for assays, and participate as an R&D representative on project Core Teams. Responsible for project design documentation. Must have good interpersonal and communication skills and possess a Ph.D. in Biochemistry, Immunochemistry or any related field. Postdoctoral experience in Clinical Chemistry is desirable but not required.

We offer competitive salaries and an outstanding benefits package. For consideration, please e-mail resume and salary requirements (incl. job title) to one of the following: dadechem@dadebehring.com or FAX: (302) 631-0348 or mail to: Dade Behring, Inc., P.O. Box 6101, M/S 517, Newark, DE 19714-6101.

DADE BEHRING

www.dadebehring.com
Equal Opportunity Employer

POSTDOCTORAL POSITION

The American Health Foundation is a multidisciplinary cancer research institute located 20 miles north of New York City in Valhalla, NY in a suburban setting on a campus shared with the Westchester Medical Center and the New York Medical College. A position is available for a Ph.D. with strong experience in molecular and cellular biology. Project focus on colon cancer, NO and NSAIDs (Nature Med 5:1348; J Exp Med 190:445; Canc Res 61:3285).

Please send/e-mail CV to:

Dr. Basil Rigas, Director,
Molecular Cancer Prevention Section
American Health Foundation
One Dana Road
Valhalla, New York 10595
Email brigas@ahf.org

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Research Triangle Park, NC

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Scientist

In this position, you'll be responsible for designing and formulating oral drug delivery systems while evaluating novel drug delivery systems via in silico modeling, in vitro and in vivo techniques. Additionally, you'll perform physical and chemical characterization on drug substances and drug dosage forms using HPLC, DSC/TGA, x-ray powder diffraction and water vapor sorption techniques. This position involves laboratory work in dissolution, solubility, solid state characterization, formulation screening, drug substance characterization and general formulation development activities.

Requirements include a Master's degree in **Pharmaceutics or Industrial Pharmacy** or a **BS in Pharmacy or Chemistry** with two years of related experience and knowledge (gained through academic coursework or experience) of **physicochemical characterization techniques**. Hours: 37.5 hrs/wk; Salary range \$52,000 - \$56,000/yr.

GlaxoSmithKline is dedicated to an innovative workplace and supports you with career-long opportunities and learning. We offer a competitive benefits and compensation package designed to attract and retain the very best. For confidential consideration and efficient processing, please send resume to: GlaxoSmithKline, Attn: Bldg. 5.4304-4C, Five Moore Drive, Research Triangle Park, NC 27709. Principals only, no agencies please.

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Faculty Position in Biostatistics University of Minnesota School of Public Health

The Division of Biostatistics (www.biostat.umn.edu), School of Public Health, at the University of Minnesota has a tenured or tenure-track faculty position available at the Professor or Associate Professor level.

We are especially interested in individuals with a strong record of research and participation in clinical trials. Interested applicants will also be considered as candidates to serve as Director of a new Clinical Trials Center within the Division of Biostatistics. We will also give serious consideration to applicants with a strong research record in longitudinal data analysis, time series, statistical genetics and related areas.

Successful candidate will be responsible for teaching and advising students at the graduate level. The salary range for this faculty position will be very competitive, and the University of Minnesota offers excellent fringe benefits.

To apply, please send a letter specifying interest in the Full/Associate Professor position, names and addresses of three referees, and curriculum vitae by February 18, 2002 to: Dr. James Neaton, Chair of Search Committee, Division of Biostatistics, A460 Mayo Building Box 303, 420 Delaware Street SE, Minneapolis, MN 55455-0378.

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UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL CANCER CENTER/DIVISION OF GASTROENTEROLOGY

Molecular Biologist

Several positions are immediately available for outstanding individuals with experience and expertise in molecular biology to participate in research studying the molecular mechanisms responsible for regulation of gene expression, protein stability and degradation, intracellular signaling and control of cellular proliferation. Projects will involve both in vitro studies and the design and analysis of transgenic and knockout animal models. This research will be a collaborative effort among the Division of Gastroenterology and the Cancer Center in a state of the art, new 340,000 sq. ft. research building which opened in September 2001. Demonstrated experience and expertise in molecular biology is required, particularly in the areas of cloning and mutagenesis of genomic DNA. Positions ranging from senior postdoctoral fellow to research assistant professor (non-tenure track) are available, depending on years of postdoctoral laboratory experience in cloning and DNA manipulation, publication record in high-impact journals, and previous evidence of independent investigation. The positions also offer the opportunities for additional training and career advancement.

Specific projects include:

1. Study of gene expression/transcription factors required for cell-specific expression.
2. Regulation of protein stability, trafficking and degradation through the proteasome.
3. Role of peptide hormones and cytokines in the regulation of cellular proliferation.

Interested applicants must have a Ph.D. and/or M.D. degree. Applicants should submit a CV, statement of research interests, copies of high-impact publications, and three reference letters to: Timothy C. Wang M.D., Chief, Gastroenterology Division and GI Cancer, University of Massachusetts Medical Center, Lazare Research Building, Room 208, 364 Plantation Street, Worcester, MA 01605-2324; Email: Timothy.Wang@umassmed.edu.



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