The Department of Biochemistry and Biophysics at Texas A&M University (website: http://biochemistry.tamu.edu) invites applications for tenure-track faculty positions in an open search with an emphasis on areas related to chemical genetics, metabolomics, drug discovery, and imaging diagnostics. Faculty rank is open and applications from candidates at all levels are encouraged. In addition to establishing vigorous independent research programs, the successful candidates will fully participate in graduate and undergraduate education-al programs.

Candidates should submit curriculum vitae, up to three reprints, a description of research plans of up to three pages, and arrange for three professional reference letters to be submitted. All documents can be submitted electronically to e-mail: sacecy2@gmail.com or in paper format to:

Biochemistry Search Committee
Texas A&M University
Department of Biochemistry and Biophysics
College Station, TX 77843-3474

Review of applicants will begin November 15, 2010, and continue until the positions are filled.

Texas A&M University is an Equal Opportunity/Affirmative Action Employer that is committed to improving diversity.

Molecular Biology

The Department of Biological Sciences at Bowling Green State University (BGSU) invites applications for a tenure-track Microbiologist position beginning August 2011. Preference given to candidates who combine experimental and bioinformatic approaches. Possible areas of expertise include microbial diversity, microbial ecology, or microbial genetics. Applicants expected to develop productive research programs; actively seek extramural funding; and contribute to undergraduate and graduate teaching. Applications should include a cover letter, curriculum vitae, statements of research plans and teaching plans/protocols. Minimum qualifications: Ph.D. in microbiology or a closely related field. Salary is competitive, and experience is anticipated. For full consideration, completed applications should reach us by February 15, 2011. Preference given to candidates who will join our undergraduate and graduate education—students, BGSU, Bowling Green, OH 43403-0208

The Department at one of the country’s leading academic medical centers is seeking a back-up laboratory technologist with significant laboratory experience to assist with our new campus, competitive salaries, and exceptional start-up packages. The University of Texas Southwestern Medical Center is the scientific home to four Nobel Prize laureates, 18 members of the National Academy of Sciences, and 18 members of the Institute of Medicine. UT Southwestern conducts more than 3,500 research projects annually totaling more than $400 million.

Candidates should submit curriculum vitae, a brief statement of research plans, and arrange to have three letters of reference sent to: James Stull, Ph.D., c/o Ronald Doris, Department of Physiology, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-9040. UT Southwestern strongly encourages applications from women, minorities, and people with physical challenges. An Equal Opportunity Employer.

FACULTY POSITIONS

Eppley Institute, home of the NCI-designated University of Nebraska Medical Center Eppley Cancer Center, seeks candidates for full-time, tenure-track faculty positions. Candidates are expected to develop an independent extramurally funded research program in basic/translation cancer research complementary to existing strengths and allied with the overall directions of the Center, participate in graduate-level teaching in the Cancer Research Graduate Program and/or other UNMC graduate programs and engage in institutional service based on their expertise. Areas of particular interest include chemical biology with the objective of (a) identifying novel therapeutic agents using high throughput/systems biology; (b) targeted cancer therapies, (c) experimental cancer models, and (d) biological evaluation of nanomedicine cancer therapies. Eppley currently has 30 tenured and tenure-track faculty and the Cancer Center has over 100 primary members that focus on externally funded research. Faculty rank and compensation depend on qualifications. Start date is July 1, 2011. To apply, visit website: https://jobs.unmc.edu and search reference requisition 3421. Additional information at website: http://www.unmc.edu/cancercenter/. Submit a summary of research experience and future plan with a current curriculum vitae and three letters of reference electronically by December 31, 2010, to: Matt Winfrey, at e-mail: winfrey@unmc.edu or mail him at Eppley Institute, 985050 Nebraska Medical Center, Omaha, NE 68198-5950. Equal Employment Opportunity/Affirmative Action; individuals from diverse backgrounds are encouraged to apply.

THE AMERICAN UNIVERSITY OF BEIRUT

Department of Biology

The Biology Department at the American University of Beirut is seeking to fill an ASSISTANT PROFESSOR in the field of Population Genetics with experience in Bioinformatics to begin Sep- tember 15, 2011. Appointments at higher rank will be considered. Applications will be accepted until January 15, 2011. For more information on this position, please visit website: http://www.aub.edu.lb/ fax/. The American University of Beirut is an Equal Opportunity/Affirmative Action Employer.

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Associate Director for Science Policy and Legislation

The National Eye Institute (NEI), a major component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is seeking exceptional candidates for the challenging position of Associate Director for Science Policy and Legislation, NEI. The NEI is responsible for a national and international program to conduct and support research, training, health information dissemination, and other programs with respect to blinding eye diseases, visual disorders, mechanisms of visual function, preservation of sight, and the special health problems and requirements of individuals who are visually impaired.

The Associate Director for Science Policy and Legislation is located within the NEI Office of the Director and reports directly to the NEI Director. This position exercises the full range of supervisory authority and directs a staff consisting of Health Science Program Managers, Program Analysts, Technical Writer-Editors and Program Assistants. This is a scientific position at the highest level within the NEI that includes a significantly expanded scope of activities, including advising the NEI Director, setting scientific and programmatic priorities, developing scientific policy and determining resource allocation. The incumbent, as the Director of the Office of Program Planning and Analysis, serves as the NEI’s delegate on scientific matters with Congressional staff, OMB, the extramural vision research community, and the National Advisory Eye Council with respect to planning and trans-NIH activities. The incumbent serves as the NIH Roadmap Nanomedicine Initiative (RNI) Project Team Leader and provides guidance to a trans-NIH team of senior extramural and intramural scientists.

NOTE: This is a time-limited appointment not to exceed five (5) years.

Applicants must possess a Ph.D., M.D., or equivalent doctorate degree in the biomedical sciences, with broad senior-level research experience and experience in direct administration of a research program. Applicants should be known and respected within their profession, both nationally and internationally, as distinguished individuals of outstanding scientific competence and administrative capability. Candidates should have demonstrated leadership; serving as a spokesperson; planning, program assessment, and analysis of program objectives; resolution of operational problems and issues; and the ability to manage financial and human resources including building, motivating, and maintaining a culturally diverse staff. Experience with NIH administrative policies, procedures and operations are highly desirable but not essential.

Salary is commensurate with experience and qualifications. Full Federal benefits are available including leave, health and life insurance, long-term care insurance, retirement, and retirement savings plan (401k equivalent).

Interested candidates should send a letter of interest, including a brief description of research and administrative experience, curriculum vitae and bibliography, and the names of at least three references to: Chair, Search Committee at NEISearch@nei.nih.gov or 31 Center Drive, Room 6A03, MSC 2510, Bethesda, MD. Applications should be received by December 15, 2010. For questions contact Dr. Paul A Sieving, Director, NEI at paulsievings@nih.gov. For more information about NEI visit http://www.nei.nih.gov/

Department of Health and Human Services
National Institutes of Health

Clinical Director
National Institute of Arthritis and Musculoskeletal and Skin Diseases

The Intramural Research Program of the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) is seeking a physician-scientist to serve as Clinical Director. This individual will direct the NIAMS Program in Translational Research, which includes training and clinical care branches as well as multiple investigative laboratories and branches. Investigators in the Clinical Program conduct studies in natural history and treatment as well as basic investigations into the etiology and/or pathophysiology of disease. The candidate should have the ability to manage this diverse clinical research enterprise and to provide the leadership to maintain the outstanding track record of the NIAMS Clinical Program. The ideal candidate for this position is an M.D. or M.D.-Ph.D. who is board-certified or board-eligible in either Pediatrics, Internal Medicine and Rheumatology or Allergy/Immunology. Potential areas of concentration would include rheumatoid arthritis, systemic lupus erythematosus, ankylosing spondylitis, vasculitis, scleroderma, myositis, osteoarthritis, or other inflammatory/rheumatic diseases. The candidate should have experience in conducting clinical or translational research and in immunology, cell biology, genetics, or other areas of research relevant to rheumatologic or autoimmune disease. The candidate will also be provided generous independent resources to develop his/her own clinical or translational research program as a tenured investigator within NIAMS.

The NIAMS Clinical Program is part of the NIH Intramural Research Program, located in Bethesda, Maryland. Investigators in this program have full privileges to admit their research subjects, free of charge to the patient, to the new Mark O. Hatfield Clinical Research Center, a state-of-the-art 230-bed hospital fully devoted to clinical and translational studies. Ample resources will be provided to the successful applicant to establish a first-rate Clinical Program and their own research program in his or her area of concentration.

The NIAMS Intramural Research Program, headed by its Scientific Director, Dr. John O’Shea, comprises several outstanding programs in cytokine biology, signaling, genetics, and structural biology, and the broader NIH Bethesda campus provides a rich and highly interactive environment within a wide range of basic and translational research disciplines that relate directly to rheumatology.

Salary will be commensurate with experience. A full package of benefits, including retirement, health, life, and long-term care insurance, and a Thrift Savings Plan, is available. Qualified international applicants who have passed the ECFMG or USMLE examinations or have comparable qualifications are welcome to apply.

Interested applicants should send a curriculum vitae, a one-page summary of research interests, and the names of three referees to Ms. Linda Peterson, 31 Center Drive, MSC 2350, Building 31, Room 4C12, Bethesda, MD 20892-2350, e-mail petersonl@arb.niams.nih.gov. If you need additional information, please call Dr. John O’Shea at 301-496-2612.

Review of applications will begin on or about January 3, 2011, but applications will be accepted until the position is filled.
Tenure/Tenure Track Investigator Position
Laboratory of Immunology

The Laboratory of Immunology (LI), Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, invites applications for a tenure/tenure-track investigator position in immunology. Applicants should have a Ph.D., M.D., or equivalent degree; an outstanding record of postdoctoral accomplishment; and an interest in any area of biomedical research related to immunology.

Specifically, we seek a highly creative individual who will establish an independent, world-class research program that takes full advantage of the special opportunities afforded by the stable, long-term funding of the intramural research program at NIH. Applicants should be interested in developing and applying novel approaches to the study of problems of major biological and/or medical importance, which could include a significant clinical or translational effort in addition to bench research.

The successful candidate would have access to the NIH Clinical Center, a state-of-the-art research hospital on the NIH campus in Bethesda, MD, and would have ample opportunity to participate in the activities of the Center for Human Immunology and other trans-NIH initiatives involving technology development, translational investigation, and multidisciplinary science.

Generous ongoing support for salary, technical personnel, postdoctoral fellows, equipment, and research supplies will be provided. Available cores or collaborative facilities include flow cytometry, advanced optical imaging, microarray generation and analysis, high throughput sequencing, computational biology, production of transgenic and gene-manipulated mice, biosafety level (BSL)-3 facilities, chemical genomics, and support for projects involving RNAi screening. In addition to an outstanding, international postdoctoral community, a superior pool of graduate and undergraduate students is available to the successful applicant.

NIAID’s Laboratory of Immunology has a distinguished history of accomplishment in immunology. We strongly encourage application by outstanding investigators who can continue and enhance this record of achievement. Current LI investigators are Ronald Germain, Michael Lenardo, David Margulies, Stefan Muljo, William Paul, Ethan Shevach, and Tsan Xiao.

To apply, e-mail your curriculum vitae, bibliography, and an outline of a proposed research program (no more than two pages) in PDF format to Ms. Bao-Hanh Ngo at LIT-TTSearch@niaid.nih.gov. In addition, three letters of reference must be sent directly from the referee to Drs. Giorgio Trinchieri and Dan Kastner, Co-Chairs, NIAID Search Committee, c/o Ms. Bao-Hanh Ngo at LIT-TTSearch@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room 4A22, Bethesda, MD 20892-1356. E-mail is preferred.

Applications will be reviewed starting December 13, 2010, and will be accepted until the position is filled. For further information about this position, contact Dr. William Paul at 301-496-5046 or wpaul@niaid.nih.gov.

A full package of benefits (including retirement and health, life, and long-term care insurance) is available. Women and minorities are especially encouraged to apply. U.S. citizenship is not required.

Further information on working at NIAID is available on our Web site at www.niaid.nih.gov/careers/LIS.
The Okinawa Institute of Science and Technology (OIST) invites applications for new faculty positions as it enters a period of growth in preparation for transition to an international graduate university in 2012. Approximately 15 faculty positions in several areas will be filled during this search. OIST provides a world-class research environment in newly completed facilities in an area of distinctive culture, unique ecology, and outstanding natural beauty. Prof. Jonathan Dorfan, an internationally recognized experimental physicist, has been selected as the President of the graduate university. As the former Director of SLAC at Stanford, he has extensive experience supporting research in particle physics and the broad range of physical, chemical and life sciences that form the diverse program of the X-ray science carried out at SLAC’s synchrotron source and its new X-ray laser.

The current OIST program is strongly focused in the Life Sciences and includes genomics, developmental biology, mathematical and computational biology, molecular & cell sciences and neuroscience. Furthermore, OIST is in the process of establishing the foundations of a complementary program focused in the physical sciences with several new appointments. We seek mathematicians, statisticians or logicians with a demonstrated ability to collaborate and contribute to interdisciplinary research in the natural sciences, and the intention to become an integrated member in the OIST research community. Applicants’ areas of research do not necessarily need to be restricted to fields typically considered to belong to applied mathematics, and we welcome proposals which suggest new forms of interaction between mathematics and the natural sciences.

The nature of the physical plant and the non-departmental academic structure of OIST are specifically designed to foster inter- and cross-disciplinary research, thus facilitating research in new areas that could stimulate and enhance the existing areas of focus. Applicants with exceptional skills in the development of novel research tools and instrumentation, particularly approaches that will further revolutionize visualization and labeling and/or the manipulation of bio- and nano-systems and/or single molecule or atom probes, are strongly encouraged to apply.

Successful candidates will be given the opportunity to excel in their chosen area of research, and will be expected to contribute to graduate teaching, research supervision and other academic activities. Applicants should have a PhD or equivalent degree, and demonstrate excellence in research.

The initial appointment will be as Principal Investigator (PI) or Independent New Investigator (INI) for a term of five years. When the transition to a graduate university is completed in 2012, it is planned that PI and INI positions will change to a tenure track system with Assistant Professors, Associate Professors, and Professors. Some appointments will be made on a joint or part-time basis. Substantial internal funding will be provided to support the faculty member’s research based on a 5-year research plan that is renewable after scientific review.

At a time when worldwide support for research is increasingly risk-averse and obtaining funding places an ever-growing burden on faculty, OIST promotes innovative research plans that are renewable after scientific review.

The Department of Genetics and The Center for Genomics and Personalized Medicine at the Stanford University School of Medicine offer a highly collegial and interdisciplinary environment that spans clinical medicine, human genetics, model-organism genetics, and genome-scale approaches. For more information, see http://genetics.stanford.edu.

Candidates are encouraged to apply electronically before December 7, 2010, with curriculum vitae and a statement of research and teaching interests, in one pdf file, with your last name in the subject line, to: genetics-search@stanford.edu. Applicants for the position at the Assistant Professor rank should also arrange to have three letters of evaluation sent to:

Michael Snyder, Chair
Department of Genetics
300 Pasteur Drive, Alway M344
Stanford, CA 94305-5120
genetics-search@stanford.edu

Stanford University is an Equal Opportunity Employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and members of minority groups, as well as others who would bring additional dimensions to the University’s research, teaching, and clinical missions.

Okinawa Institute of Science and Technology
New Faculty Positions in Mathematics

The Okinawa Institute of Science and Technology (OIST) invites applications for new faculty positions as it enters a period of growth in preparation for transition to an international graduate university in 2012. Approximately 15 faculty positions in several areas will be filled during this search. OIST provides a world-class research environment in newly completed facilities in an area of distinctive culture, unique ecology, and outstanding natural beauty. Prof. Jonathan Dorfan, an internationally recognized experimental physicist, has been selected as the President of the graduate university. As the former Director of SLAC at Stanford, he has extensive experience supporting research in particle physics and the broad range of physical, chemical and life sciences that form the diverse program of the X-ray science carried out at SLAC’s synchrotron source and its new X-ray laser.

The current OIST program is strongly focused in the Life Sciences and includes genomics, developmental biology, mathematical and computational biology, molecular & cell sciences and neuroscience. Furthermore, OIST is in the process of establishing the foundations of a complementary program focused in the physical sciences with several new appointments. We seek mathematicians, statisticians or logicians with a demonstrated ability to collaborate and contribute to interdisciplinary research in the natural sciences, and the intention to become an integrated member in the OIST research community. Applicants’ areas of research do not necessarily need to be restricted to fields typically considered to belong to applied mathematics, and we welcome proposals which suggest new forms of interaction between mathematics and the natural sciences.

The nature of the physical plant and the non-departmental academic structure of OIST are specifically designed to foster inter- and cross-disciplinary research, thus facilitating research in new areas that could stimulate and enhance the existing areas of focus. Applicants with exceptional skills in the development of novel research tools and instrumentation, particularly approaches that will further revolutionize visualization and labeling and/or the manipulation of bio- and nano-systems and/or single molecule or atom probes, are strongly encouraged to apply.

Successful candidates will be given the opportunity to excel in their chosen area of research, and will be expected to contribute to graduate teaching, research supervision and other academic activities. Applicants should have a PhD or equivalent degree, and demonstrate excellence in research.

The initial appointment will be as Principal Investigator (PI) or Independent New Investigator (INI) for a term of five years. When the transition to a graduate university is completed in 2012, it is planned that PI and INI positions will change to a tenure track system with Assistant Professors, Associate Professors, and Professors. Some appointments will be made on a joint or part-time basis. Substantial internal funding will be provided to support the faculty member’s research based on a 5-year research plan that is renewable after scientific review.

At a time when worldwide support for research is increasingly risk-averse and obtaining funding places an ever-growing burden on faculty, OIST promotes innovative research plans that are renewable after scientific review.

The Department of Genetics and The Center for Genomics and Personalized Medicine at the Stanford University School of Medicine offer a highly collegial and interdisciplinary environment that spans clinical medicine, human genetics, model-organism genetics, and genome-scale approaches. For more information, see http://genetics.stanford.edu.

Candidates are encouraged to apply electronically before December 7, 2010, with curriculum vitae and a statement of research and teaching interests, in one pdf file, with your last name in the subject line, to: genetics-search@stanford.edu. Applicants for the position at the Assistant Professor rank should also arrange to have three letters of evaluation sent to:

Michael Snyder, Chair
Department of Genetics
300 Pasteur Drive, Alway M344
Stanford, CA 94305-5120
genetics-search@stanford.edu

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Assistant Professor in Biological Sciences, Mathematics and/or Statistics

We seek an outstanding scientist who will conduct research and develop a nationally competitive externally funded research program at the University of Idaho. Preference will be given to candidates able to contribute to the Initiative for Bioinformatics and Evolutionary Studies (IBEST). IBEST is an interdisciplinary research group at the University of Idaho who study patterns and processes of evolution that occur over comparatively short periods of time. We investigate the relative importance and consequences of mutagenic processes, work to understand patterns of evolutionary change that emerge during the course of evolution, develop and test models of evolutionary processes, and devise means to analyze large sets of genetic data. The hallmarks of IBEST research are the coupling of empirical and theoretical research. We place a high value on interdisciplinary collaborations that blend the expertise of biologists, biochemists, ecologists, evolutionary biologists, mathematicians, statisticians, and computer scientists to examine the underpinnings of evolutionary biology.

The successful candidate will have a Doctorate degree in mathematics, statistics, biology, bioinformatics or a related field; at least one year of postdoctoral experience; knowledge and interest in fundamental aspects of evolutionary ecology and/or population genetics; a demonstrated ability to teach college-level courses; and evidence of an active research agenda.

For more information and to apply online please visit: www.hr.uidaho.edu
SEVEN FACULTY POSITIONS

Worcester Polytechnic Institute (WPI) in Worcester, Mass., continues to invest in the life sciences. In 2007 the university opened the WPI Life Sciences and Bioengineering Center (LSBC), which houses the life sciences-related graduate research programs of five academic departments and the WPI Bioengineering Institute (BEI). Since that time, WPI has recruited 16 new full-time faculty members in the life sciences and bioengineering, bringing to 34 the number of faculty working in interdisciplinary clusters within a strongly collaborative environment in the LSBC. As a result of this investment, graduate research and external research funding have increased considerably, with faculty awarded major funding from the NIH, NSF, DARPA, and other agencies.

In 2010–11 we are seeking to fill seven tenure-track positions in five departments, including a new head for the Chemistry and Biochemistry Department. The ideal candidates for these positions will have research interests and expertise that are complementary to our current research areas, and be committed to collaboration among multidisciplinary teams and to securing external funding.

Applicants for the department head will be recognized leaders in their field and have a strong record of securing extramural funding. Applicants at the assistant professor level must have postdoctoral research experience with extramural support, or strong promise to obtain funding. All applicants must hold the PhD and have a strong commitment to teaching at the undergraduate and graduate levels.

For more on the WPI Life Sciences Initiative, visit www.wpi.edu/+lsi.

Founded in 1865, WPI is one of the nation’s oldest and most innovative technological universities. U. S. News and World Report consistently ranks WPI among the top national universities and recently placed WPI in its top 30 for faculty resources. WPI’s 14 academic departments offer more than 50 undergraduate and graduate degree programs, including the PhD, in science, engineering, management, and the liberal arts. WPI offers a smoke-free environment, competitive compensation, and an excellent benefits package. To enrich education through diversity, WPI is an affirmative action, equal opportunity employer. It is a member of the Colleges of Worcester Consortium.

WORCESTER POLYTECHNIC INSTITUTE

Life Sciences Initiative

Chemistry and Biochemistry • Head

WPI invites applications and nominations for Head of the Department of Chemistry and Biochemistry. The new head will have a clear and creative vision for building and sustaining ambitious departmental research programs while maintaining a focus on excellence in teaching and have the skills necessary for the day-to-day management of the department activities and administrative staff. The Chemistry and Biochemistry head is responsible for coordinating with the other academic department heads across the wider WPI community in the development of interdisciplinary research teams for the purpose of securing external funding. Our vision for the new Head includes enhancing the department’s role in the natural sciences at all levels and providing strategic positioning for new faculty appointments as we grow.

Contact: Applications and nominations should be sent to cbcheadsearch@wpi.edu. Further inquiries may be directed to the Office of the Dean of Arts and Sciences, 508-831-4678 or dofcarcik@wpi.edu.

Chemistry and Biochemistry • Assistant Professor

The department seeks candidates with expertise in synthesis with an application focus that complements research in our Life Science areas. An ability to teach inorganic chemistry is required.

Contact: Professor Kris Wabbe at faculty-searchCBC@wpi.edu.

Biology and Biotechnology • Assistant Professor

The department seeks candidates with significant research experience in neuroscience, with preference given to individuals studying mechanisms of neural degeneration and regeneration.

Contact: Professor J. B. Duffy at Faculty-searchBBT@wpi.edu.

Biology and Biotechnology, and Mathematical Sciences • Assistant Professor

The department seeks candidates for cross-disciplinary work in bioinformatics and computational biology. Contact: Chairs of either the Biology and Biotechnology or Mathematical Sciences search committees at Bioinformaticsfaculty-search@wpi.edu.

Biomedical Engineering • Assistant Professor

The department seeks candidates in the following areas: cellular and tissue engineering, biomechanics, biomaterials, bioinstrumentation, biosignal processing, physiological systems modeling, and biomedical imaging.

Contact: Professor Ki H. Chon at kichon@wpi.edu.

Mathematical Sciences • Assistant Professor

The department seeks candidates who both enhance existing departmental strengths in pure and applied analysis, computational mathematics, applied statistics, and discrete mathematics and contribute to our goals for growth in biological sciences, environmental sciences and climate, and energy research.

Contact: Applications accepted through www.mathjobs.org.

Physics • Assistant Professor

The department seeks candidates with an interest in optical imaging and spectroscopic microscopy as applied but not limited to single-molecule biophysics, cellular biophysics, and/or biomaterials. Preference will be given to applicants who can interact with one or more areas of Soft-Condensed Matter.

Contact: PH search committee, ph-search@wpi.edu.
The University of Vermont

Engaging minds that change the world

Create the Future at the University of Vermont

To help create the new knowledge that the 21st century will require, the University of Vermont (UVM) is launching an innovative new program called the Transdisciplinary Research Initiative, or TRI. UVM is investing in developing three new world-class SpireS of Excellence:

- Complex Systems
- Food Systems
- Neuroscience, Behavior and Health

We are seeking outstanding applicants with demonstrated potential for imaginative research, a clear vision for the future, a sense of innovation and entrepreneurship, and a strong desire to join transformational, multidisciplinary studies in one or more of these three Spires.

Candidates are expected to develop an internationally recognized program of scholarly and collaborative research and to excel in teaching at both the undergraduate and graduate levels.

UVM will be making up to thirty (30) tenured and tenure-track appointments for 2011-12, with specific attention to Spire-aligned hires. Please visit our TRI website to learn more about the UVM SpireS of Excellence, or the UVM employment website to learn about multiple faculty openings across UVM.

Founded in 1791, the University of Vermont is one of the nation’s oldest universities and is consistently ranked as one of the top public universities in the United States. The university comprises nine colleges and schools including a college of medicine and is located in Burlington, VT, often rated one of the best small cities in America. The greater Burlington area has a population of approximately 150,000 and enjoys a panoramic setting on the shores of Lake Champlain bordered by the Adirondack and Green Mountains. There are ample opportunities for interactions with local industries. We are strongly committed to diversity and especially welcome applications from underrepresented groups including women and minority group members.

For further information about UVM, TRI positions currently available, or to apply on-line, please visit our websites at: www.uvm.edu, www.uvm.edu/tri, or www.uvmjobs.com, respectively; Job Hotline #802-656-2248; telephone #802-656-3150. Applicants must apply for positions electronically. Paper resumes are not accepted. Job positions are updated daily.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Applications from women and people from diverse racial, ethnic, and cultural backgrounds are encouraged.

VANDERBILT School of Medicine

FACULTY POSITION IN BIOCHEMISTRY/ X-RAY CRYSTALLOGRAPHY/ STRUCTURAL BIOLOGY BIOCHEMISTRY

The Department of Biochemistry at Vanderbilt University School of Medicine (https://medschool.vanderbilt.edu/biochemistry) seeks candidates to fill a faculty position in macromolecular X-ray crystallography at the level of Assistant Professor (tenure-track) or Associate Professor (tenure). Vanderbilt University has been undergoing a transformation in recent years to further advance and lead in biomedical research, with structural biology as one of the key target areas. Major investments have also been made in bioinformatics, mass spectrometry proteomics, cryo-EM, photonicics, and chemical biology. In addition to in-house diffraction instrumentation and state-of-the-art crystallization robotics, biomolecular crystallographers at Vanderbilt have significant synchrotron beam time via the LS-CAT (sector 21) at the Advanced Photon Source. The successful candidate will be an active participant in the Center for Structural Biology, an established organizational structure for research training, and instrumentation (http://www.strucbio.vanderbilt.edu/).

Please forward an electronic cover letter, curriculum vitae, contact information for three references, and description of research program as a single PDF file to marlene.jayne@Vanderbilt.edu. Alternatively, mail hard copies of these materials to:

Crystallography Search Committee
Vanderbilt University School of Medicine
c/o Marlene Jayne
607 Light Hall
Nashville, TN 37232

The application deadline is December 31, 2010, but applications will be evaluated as they arrive.

Women and minority candidates are especially encouraged to apply.

Bar-Ilan University

Academic Research Positions
Faculty of Medicine, Bar-Ilan University

Bar-Ilan University is seeking outstanding senior and young scientists for tenure-track faculty positions to teach and lead research groups in Biomedical Sciences at the new Faculty of Medicine in Safed, Galilee region of Israel.

Suitable candidates should submit:
1. CV with essential information regarding research achievements (including a summary of current and future research goals), teaching abilities, and courses which can be taught by the candidate.
2. List of publications. Please indicate the impact factor for each journal and number of citations per article.
3. Three letters of recommendation from known scientists from three different institutes.

Please respond within 14 days to Prof. Haim Breithart (breith@mail.biu.ac.il) and Dr. Edith Kahana (kmalag@mail.biu.ac.il).
The University of Wisconsin-Milwaukee (UWM) invites applications and nominations for the position of Founding Dean of the School of Freshwater Sciences (SFS). A major research university and Wisconsin’s premier public urban institution, UWM (www.uwm.edu) enrolls more than 30,000 students.

SFS (http://www4.uwm.edu/freshwater/) is the first graduate school in the U.S. dedicated solely to the study of freshwater and was established in 2009 to maximize existing resources, identify emerging opportunities, and create a collaborative, interdisciplinary regional and global hub for environmentally balanced economic development. SFS has 14 faculty and scientists and 11 permanent support staff, along with additional project staff on funded projects. SFS confers degrees at the doctoral and masters level, with an inaugural class in fall 2010 of five doctoral and seven masters students.

In addition to academic, research, and service programs, the Dean is responsible for the Great Lakes Research Facility (GLRF), home to SFS and used as a base for UWM research vessels and collaboration with scientists from other campuses. The Wisconsin legislature appropriated $50 million for an 80,000 sq. ft. addition to and renovation of existing SFS facilities.

The Search Committee seeks candidates with a strong record of professional accomplishment, commitment to excellence in research and teaching, outstanding management and leadership skills, and experience building public/private partnerships. (See http://www4.uwm.edu/secu/SFSDean/ for expanded description.) The Dean must be an educational leader with the following qualifications or an equivalent combination thereof:

- Professional and scholarly achievements sufficient to be tenured as a full professor;
- A record of creating and disseminating knowledge on the subject of water; and
- Experience managing an academic/research unit or equivalent, including budget, grants and other external funds development, personnel, and communications management.

Applications and nominations will remain confidential. Candidate screening will begin January 10, 2011, but review will continue until the position is filled. Applicants should provide a letter describing relevant experiences and interest in the position; curriculum vitae; names of five references with titles, addresses and e-mail addresses. Individuals who wish to nominate a candidate should submit a letter of nomination, including name, position, address, telephone number and email address of the nominee.

Applications and nominations should be electronically submitted via PDF or MS Word to UWMSFSDean@academic-search.com.

The search is assisted by:

John B. Hicks, Senior Consultant
Academic Search, Inc.
John.hicks@academic-search.com
205-345-7221

The University of Wisconsin-Milwaukee is an Affirmative Action, Equal Employment Opportunity Employer.

Program in Science Technology and Environmental Policy at Princeton University - 2011–2012 Research Fellowship Program

The Program in Science, Technology and Environmental Policy (STEP) at Princeton University’s Woodrow Wilson School of Public and International Affairs (Michael Oppenheimer, Director) announces its 2011–2012 Fellowship Program. STEP will award one-year research positions (with the possibility of renewal for a second year) to eligible, talented researchers. These appointments, at the postdoctoral or more senior research level, are designed to promote basic policy-relevant research under the supervision of one or more STEP faculty members. STEP faculty is soliciting fellowship applications in the following areas of interest:

- **Michael Oppenheimer**: PHYSICAL SCIENCE OF EARTH SYSTEM: (1) Modeling of dynamic properties of ice sheets on a variety of geographic scales (in collaboration with colleagues at the Geophysical Fluid Dynamics Laboratory, GFDL). (2) Analysis of paleoclimate proxy data for sea level, ice extent, and temperature to improve the use of analogs in forecasting future sea level rise. This project focuses particularly, but not exclusively, on proxies from the Last Interglacial; see [http://www.nature.com/nature/journal/v462/n7275/full/nature08686.html](http://www.nature.com/nature/journal/v462/n7275/full/nature08686.html). DECISION THEORY and POLICY: Modeling the role of learning in decisions where structural model error is a key concern. This work will be coordinated with ongoing case studies of actual scientific learning coupled to policy decisions; see [http://www.springerlink.com/content/7uw815057319770/fulltext.pdf](http://www.springerlink.com/content/7uw815057319770/fulltext.pdf). CLIMATE IMPACTS: Econometric and other quantitative methods applied to human migration under climate change; see [www.pnas.org/cgi/doi/10.1073/pnas.1002632107](http://www.pnas.org/cgi/doi/10.1073/pnas.1002632107).

- **Denise Mauzerall**: (1) GLOBAL CHEMISTRY-CLIMATE AND ADJOINT MODELING (in collaboration with GFDL) of the sources, transport, radiative and climate impacts of black carbon including impacts on glacier melting. A key objective is the identification of mitigation strategies with co-benefits for climate and health. Experience with emission inventories, large data sets and/or with global chemistry and climate models is desired. See: [http://www.atmos-chem-phys-discuss.net/10/21615/2010/acpd-10-21615-2010.pdf](http://www.atmos-chem-phys-discuss.net/10/21615/2010/acpd-10-21615-2010.pdf). (2) MITIGATION STRATEGIES: examination of potential climate benefits of fast-action mitigation strategies for non-CO2 climate forcing agents. (3) GLOBAL AGRICULTURE: comparison of impacts of air pollution and climate change on yields.

- **Frank von Hippel**: New initiatives to further the goals of nuclear disarmament, nonproliferation and the prevention of nuclear terrorism by reducing global stocks of highly-enriched uranium and plutonium, the number of locations where they can be found, and the number of national facilities where they can be produced. (www.fissilematerials.org)

- **David Wilcove**: Identification and assessment of degraded lands in Southeast Asia for restoration or agricultural use (requires expertise in remote sensing); impact of bird and reptile trade on wild populations in Asia (modeling and field work); land-use changes and associated impacts on birds, mammals, and other taxa in East Africa or Asia. (field work)

- **Alexander Glaser**: Nuclear energy in the context of nonproliferation and climate change, with a focus on (1) exploring nuclear-energy options and constraints in developing countries or (2) on incorporating uncertainties in the treatment of nuclear power in integrated assessment models. (3) Technical and policy analysis of the nuclear fuel cycle, including approaches to strengthening international oversight and safeguards of nuclear facilities; for details, see [http://nuclearfutures.princeton.edu](http://nuclearfutures.princeton.edu).

The Research Fellows Program is open to all regardless of citizenship, but requires a completed Doctorate and does not support work towards the completion of a degree. STEP Fellows will be eligible for salary and full employee benefits in accordance with University guidelines.

Applicants should send a CV and a cover letter indicating faculty they wish to apply with, describing their areas of expertise and interest via [https://jobs.princeton.edu](https://jobs.princeton.edu) (use requisition number 1000839) The review process will commence immediately and continue until positions are filled, although not all slots may be filled.

For more information about applying to Princeton please link to: [http://web.princeton.edu/sites/df/ApplicantsInfo.htm](http://web.princeton.edu/sites/df/ApplicantsInfo.htm)

Princeton University is an Equal Opportunity Employer and complies with applicable EEO and affirmative action regulations.
Jiangsu Academy of Agricultural Sciences

Seeking Distinguished Scientists in Various Agriculture Areas

Jiangsu Academy of Agricultural Sciences (JAAS) is a professional agricultural research and extension institution that has been established since 1932. JAAS ranks at the top of provincial agricultural academies in China in terms of the comprehensive strength in agriculture. JAAS's headquarters and main research facilities are located in Nanjing, Jiangsu, China.

Currently, there are 3 distinguished full professor positions available for application in the following areas: breeding, food processing, bioenergy, facility agriculture, and large-scale farming for modern animal husbandry. Applicants should have a faculty position already beyond the assistant professor level in a university or the equivalent position in a research institution. In addition, all candidates should demonstrate excellent records of research accomplishment and have a command of bilingual language for English and Chinese, both in spoken and written.

Successful applicants will be offered a competitive package, including sufficient laboratory space, startup funding, relocation fee and competitive salary commensurate with experience, in addition to a housing allowance, and other employee benefits. Applicants can go to www.jaas.ac.cn for application details.

In addition, more information for other regular faculty positions from JAAS relevant to a variety of disciplines in agriculture is also available at www.jaas.ac.cn.

Contact information
E-mail: rsc-gbk@jaas.ac.cn; Tel: 086-25-84390037

Professor of Plant Diversity and Evolution and Director, Harvard University Herbaria

The Harvard University Herbaria (HUH; http://www.huh.harvard.edu) house one of the largest and most comprehensive collections of dried plant and fungal specimens in the world. These specimens are the key to our knowledge of plants and serve as a permanent reference to the diversity of life on earth. During the last three years the HUH has embarked on an ambitious plan to enhance its scientific mission through a series of key improvements in its laboratories, bioinformatics and collections infrastructure, and environmental controls. As part of this broader initiative, the Department of Organismic and Evolutionary Biology and the HUH now invite applications for a tenured faculty member in the Department of Organismic and Evolutionary Biology (OEB; http://www.oeb.harvard.edu/) who will also serve as Director. We seek an outstanding scientist who will teach at both undergraduate and graduate levels and who is engaged in an innovative research program. We are especially interested in individuals who undertake field and laboratory research in plant phyllogenetics, genetics, speciation, biogeography, or ecology.

Please submit applications online at: https://webapps.fas.harvard.edu/apply/oeb-huh-2010/. Required materials include a curriculum vitae; a statement of research and teaching interests; four representative publications; and the names, institutional affiliations, and e-mail addresses of three references. Letters of nomination from third parties are also welcome and should be sent by e-mail to Plant Biodiversity Search@oeb.harvard.edu. Review of applications and nominations will begin on December 1st and conclude when the position is filled. Further information about OEB and HUH are available at http://www.oeb.harvard.edu and http://www.huh.harvard.edu. Address questions about the position to Professor Donald H. Pfister dpflister@oeb.harvard.edu and about the application/nomination process to Ms. Jeannette Everritt in OEB jeverritt@oeb.harvard.edu.

Harvard University is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

MSU-DOE PLANT RESEARCH LABORATORY
http://www.prl.msu.edu

Faculty Position in Plant Biology

The MSU-DOE Plant Research Laboratory (PRL) has a twelve-month tenure-track faculty position available at the Assistant, Associate or in exceptional cases Full Professor level. We seek to identify individuals who investigate fundamental questions in plant biology relevant to energy flow in the continuum between photon capture and the deposition of energy-rich molecules. Examples of such research include mechanisms of light harvesting, CO2 fixation, energy regulatory networks, enzymes and metabolites involved in energy conversion, and computational approaches to model biological networks.

The PRL, with core funding from the U.S. Department of Energy, provides an excellent environment for creative research in plant biology. Michigan State University provides a stimulating atmosphere with world class colleagues and facilities, and exceptional breadth and depth in the plant sciences. PRL faculty members are jointly appointed in an appropriate academic department and are full members of the MSU tenure-stream faculty.

Applicants should have postdoctoral research experience with demonstrated productivity and evidence of potential for independent research. To assure consideration, applications should be submitted electronically to prlsrch@msu.edu by December 15, 2010. Applications should include curriculum vitae, a summary of research accomplishments, and a brief description of future plans. Candidates at the assistant level should arrange to have three letters of reference submitted; senior candidates should include names and contact information for three referees. Questions regarding this position should be directed to prlsrch@msu.edu.

Michigan State University is an Affirmative Action, Equal Opportunity Employer. MSU is committed to achieving excellence through cultural diversity. The University actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities.

Faculty Positions

The Institute of Genetics and Developmental Biology (IGDB), Chinese Academy of Sciences (CAS), the neighborhood of Beijing Olympic Village, has several openings for group leaders to join the Key Laboratory of Molecular & Developmental Biology of CAS.

IGDB is a leading institution of life sciences in China. IGDB currently hosts 63 research groups, of which 18 groups are actively involved in addressing fundamental questions in animal development using model organisms such as C. elegans, Drosophila, Xenopus, zebra fish and mouse. IGDB seeks dynamic individuals with innovative research programs dedicated to vertebrate development in developmental neurobiology, stem cell biology, systems biology, animal cloning (cattle, sheep) and transgenic animal research. Candidates with experience in transgenic or knockout mouse are preferred to direct the mouse facility of IGDB. The appointment will be at Principal Investigator (full professor) level. Candidates are expected to hold a Ph.D. degree and a minimal four-year postdoctoral experience.

Startup package will be accompanied by either the “One-Hundred Talents Program of CAS” or the “One-Thousand Talents Program of China”. Salary and benefit will be provided based on their qualification. More information about IGDB can be found at http://www.genetics.ac.cn or http://english.genetics.ac.cn/

Interested candidates should submit a cover letter, curriculum vitae, representative publications, a statement of research experiences and interests as well as the names and contact information of three referees to:

Dr. Weicai Yang, Chair of the Search Committee
Institute of Genetics and Developmental Biology
Chinese Academy of Sciences
Beijing 100101, China
E-mail: wcyang@genetics.ac.cn
SOOCHOW UNIVERSITY

Faculty Positions at School of Radiation Medicine and Public Health

The School of Radiation Medicine and Public Health (SRMPH) of Soochow University in Suzhou, Jiangsu, China, is seeking outstanding candidates for Associate and Full Professors in the broad areas of Radiation Medicine, a National Key Discipline, which includes radiation biology, radiation oncology, radiation protection, radiation chemistry, and nuclear science and technology.

Candidates for the Associate Professor positions should have a PhD with at least 3 years of postdoctoral experience in the related fields and a scholarly publication record, while candidates for the Full Professor positions should have demonstrated the strong ability to develop an original and externally funded research program. All candidates should have a command of spoken and written English.

Successful applicants will be offered an excellent package including sufficient laboratory space, startup funding, relocation expense and competitive salary commensurate with experience, in addition to an apartment/condo rental allowance and other benefits.

The Search Committee will review applications immediately and the search will continue until all positions are filled. Applicants should submit (i) a cover letter summarizing current research projects and future plans, (ii) a curriculum vitae, and (iii) names and contact details of three professional referees to: Search Committee, School of Radiation Medicine and Public Health (SRMPH), Dushu Lake Campus, Soochow University, 199 Ren-Ai Road, Industrial Park, Suzhou 215123, China; Fax: 86-512-65884830; E-mail: hjzhong@suda.edu.cn or jpcao@suda.edu.cn.

SOOCHOW UNIVERSITY

Faculty Positions at Stem Cell Research Key Lab of Jiangsu Province

The Stem Cell Research Key Lab at Soochow University in Suzhou, China, is a newly created research center by Jiangsu Province and the Ministry of Education. We are seeking outstanding scientists for Associate or Full Professor positions in the broad areas of Stem Cell Biology, Cancer Stem Cells and Stem Cell Immunology.

Candidates for the Associate Professor positions should have a PhD with at least 3 years of postdoctoral experience in the related fields and a scholarly publication record, while candidates for the Full Professor positions should have demonstrated the strong ability to develop an original and externally funded research program. All candidates should have a command of spoken and written English.

Successful applicants will be offered an excellent package including sufficient laboratory space, startup funding, relocation expense and competitive salary commensurate with experience, in addition to an apartment/condo rental allowance and other benefits.

The Search Committee will review applications immediately and the search will continue until all positions are filled. Applicants should submit (i) a cover letter summarizing current research projects and future plans, (ii) a curriculum vitae, and (iii) names and contact details of three professional referees to: Search Committee, Stem Cell Research Key Lab of Jiangsu Province; Building 17, Soochow University South Campus, 178 Ren-Ming Road, Suzhou 215007, China; Tel: 86-512-65732002; Fax: 86-512-65104908; E-mail: xueguangzh@yahoo.com.cn.

DEAN
THE HENRY SAMUEL ENGINEERING

The University of California, Irvine invites applications and nominations for the position of Dean, The Henry Samuel School of Engineering. The university seeks an independent thinker with skills to navigate within a complex/multi-constituent organization, and who is decisive while fair, and strategically focused. The successful applicant will have a keen intellectual capacity and creativity, be an open and persuasive communicator and problem solver who leads from values, and be a candidate with energy and vision to head and continue the mission of the school.

Key selection criteria will include:

- Recognized leader in the latest intellectual advances in engineering
- Dedicated to establishing a culture that promotes the growth and continuing recruitment of world-class faculty
- Proven experience in faculty leadership, academic process, team building, and advancing diversity
- Demonstrated ability to work effectively with the community and other constituents in resource development, fund raising, and advancement of the School
- Established success as an administrator, including staff development, facility management, and fiscal leadership

The Henry Samueli School of Engineering is one of ten schools at the University of California, Irvine. The School has more than 100 full-time faculty members, and an enrollment of approximately 2,600 undergraduate and 750 graduate students. The School represents a premier center for education and research with five departments: Biomedical Engineering, Chemical Engineering and Materials Science, Civil and Environmental Engineering, Electrical Engineering and Computer Science, and Mechanical and Aerospace Engineering. The School is equipped with excellent experimental facilities, major research centers, and state-of-the-art infrastructure, occupying nearly 295,000 square feet. Further information about the School can be found at this website: http://www.eng.uci.edu/.

Celebrating 45 years of innovation, the University of California, Irvine is a top-ranked public university dedicated to teaching, scholarship and community service. Founded in 1965, UCI is among the fastest-growing campuses in the University of California system, with more than 27,000 students, 1,500 faculty members and 9,000 staff. The second-largest medical device companies, UCI contributes an annual economic impact estimated at $3.3 billion. It is located on a 1,500-acre site three miles from the Pacific Ocean.

The successful candidate will join a dynamic community at UCI, and provide leadership in advancing the diversity of the school’s faculty, staff, students and programs. UCI will continue to grow over the next decade and is currently engaged in a major capital campaign. As the leader of the School at this pivotal moment, the dean will work with the faculty to build on current strengths, to foster creativity and innovation, and to help secure the resources that will move the school forward. In addition, the dean will collaborate with faculty and administrators across the campus to expand the School’s support of interdisciplinary research and education.

Review of applications will begin on December 6, 2010 and the position will remain open until filled. Paper and electronic applications may be sent to the address below:

The Henry Samuel School of Engineering
Dean Search Committee
C/O Ji Won Kim, jiwon@uci.edu
509 Aldrich Hall
University of California, Irvine
Irvine, CA 92697-1000
OR email: engrsrch@uci.edu

UCI is an Equal Opportunity Employer committed to excellence through diversity and strongly encourages applications from all qualified applicants, including women and minorities. UCI is responsive to the needs of dual career couples, is dedicated to work-life balance through an array of family-friendly policies, and is the recipient of an NSF ADVANCE Award for gender equity.
**Neutron Scattering Instrument Scientist**

Neutron Sciences Directorate at Oak Ridge National Laboratory invites applications for an Extended Q-Range Small-Angle Neutron Scattering (EQ-SANS) Instrument Scientist.

The successful candidate will be a team member providing operational support for the new EQ-SANS instrument at the Spallation Neutron Source and developing a vigorous scientific program associated with the instrument.

An extensive record of research accomplishments using small angle neutron and/or x-ray scattering is required. A Ph.D. and a minimum of two years of experience as a Research Scientist in material science, physics, chemistry, or related fields (or equivalent combination of training and experience) are also required.

For more information about the position or to apply visit: [neutrons.ornl.gov](http://neutrons.ornl.gov)

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**Scientific Editors**

Cell Press seeks to appoint multiple Scientific Editors with opportunities covering both scientific manuscripts and review material. Applicants with expertise in any relevant area of biomedical research will be considered.

Working closely with the research community, your primary responsibilities will focus on acquiring, managing and developing new editorial content for the Cell Press research titles. These positions will also involve close interaction with other aspects of the business, including production and new product development, and therefore provide an excellent entry opportunity to scientific publishing. You will work in the Cell Press Cambridge, MA office as part of a growing editorial group that is highly dynamic and collaborative. These positions are an exciting opportunity to stay at the forefront of the latest scientific advances while developing a new career in a stimulating publishing environment.

The minimum qualification is a doctoral degree in a relevant life science discipline; additional postdoctoral or other experience is an advantage. Ideal candidates would have a strong scientific background and broad discipline; additional postdoctoral or other experience is an advantage. Ideal candidates would have a strong scientific background and broad experience. Prior publishing or editorial experience is beneficial but not required.


To apply for individual positions, please use the link within the posting to submit a CV and cover letter explaining your interest in the position and describing your qualifications, research interests and reasons for pursuing a career in scientific publishing.

No phone inquiries, please.

*Cell Press is an Equal Opportunity Employer.*

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**Plant Gene Expression Center**

**Albany CA**

**Salary Range of $81,460 - $148,806**

**Announcement Open: September 20, 2010 to November 15, 2010**

Applicants are invited to apply for a permanent, full-time position as a research scientist at the Plant Gene Expression Center (PGEC) of the United States Department of Agriculture (USDA), Agricultural Research Service (ARS). PGEC research is conducted through a close collaborative partnership with the University of California, Berkeley. The successful candidate is expected to develop an independent program to carry out innovative research that enhances our knowledge of plant processes, such as development and environmental response. The successful candidate’s program should complement ongoing research at the PGEC, which concerns genetic and molecular analysis of disease resistance, circadian rhythms, light signaling, reproduction and development. The successful applicant will be considered for an Adjunct Faculty appointment in the Department of Plant and Microbial Biology, University of California, Berkeley.

To apply, print a copy of vacancy announcement ARS-X10W-0257 from the ARS Careers Website at [www.ars.usda.gov/careers](http://www.ars.usda.gov/careers) and follow the application directions provided. For information about the position, please e-mail Dr. Jennifer Fletcher, Jennifer.Fletcher@ars.usda.gov. U.S. citizenship is required. Applications must be received by the closing date of the announcement.

*USDA/ARS is an Equal Opportunity Employer and Provider.*
PICTURE YOURSELF AS A AAAS SCIENCE & TECHNOLOGY POLICY FELLOW

Make a Difference.
Help give science a greater voice in Washington, DC! Since 1973, AAAS Fellows have applied their skills to federal decision-making processes that affect people in the U.S. and around the world, while learning first-hand about the government and policymaking.

Join the Network.
Year-long fellowships are available in the U.S. Congress and federal agencies. Applicants must hold a PhD or equivalent doctoral-level degree in any behavioral/social, biological, computational/mathematical, earth, medical/health, or physical science, or any engineering discipline. Individuals with a master’s degree in engineering and three years of post-degree professional experience also may apply. Federal employees are not eligible and U.S. citizenship is required.

Apply.
The application deadline for the 2011-2012 AAAS Fellowships is 5 December 2010. Fellowships are awarded in the spring and begin in September. Stipends range from $74,000 to $97,000.

Note: Additional fellowships are available through approximately 30 scientific society partners. Individuals are encouraged to apply with AAAS as well as with any scientific societies for which they qualify.

Full details at: fellowships.aaas.org
The Bowes Research Fellows Program at the University of California, Berkeley, is seeking nominations of outstanding recent or imminent Ph.D. and M.D. graduates to be given the freedom to establish an independent research program as an alternative to the traditional postdoctoral experience. Bowes Fellows must have demonstrated exceptional promise and maturity in their graduate careers and be eager to engage the frontiers of biomedical and life sciences. Fellows will receive funding and space sufficient to maintain a laboratory of two to three members for a term of up to five years, free from the need to obtain grant support or the distractions of classroom teaching. Fellows will have principal investigator status, making them eligible to obtain outside funding from grants or other sources as their research programs expand.

Bowes Fellows benefit from the mentorship of our faculty, as well as from the exceptional breadth of our scientific resources and the highly interactive nature of the Berkeley community. In turn, our community benefits from the creative approaches Bowes Fellows take to solving important problems. Because interdisciplinary interactions are key to innovation, we seek to attract individuals who have broad interests in the life sciences and who have diverse expertise in experimental, theoretical and/or computational approaches.

Candidates must be nominated by their current mentor or by another senior investigator who can provide an in-depth analysis of their accomplishments and future potential. Refer potential reviewers to the UC Berkeley Statement of Confidentiality found at: http://apo.chance.berkeley.edu/evalltr.html.

Selected candidates will be asked to submit a brief research plan and to arrange for additional letters of recommendation. Finalists will be invited to interview on the UC Berkeley campus. Nominations must be received by December 15, 2010 and should be sent to (e-mail submissions are preferred):

Michael Eisen, Chair, Bowes Research Fellows Selection Committee, Department of Molecular & Cell Biology, University of California, Berkeley, Stanley Hall, 304B, Berkeley CA, 94720-3220, mbeisen@berkeley.edu

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

FACULTY POSITIONS in Mechanical Engineering
Massachusetts Institute of Technology

The Department of Mechanical Engineering at the Massachusetts Institute of Technology seeks outstanding candidates for tenure-track faculty positions in the following fields to begin July 1, 2011 or thereafter:

- Bioengineering
- Design
- Ocean Science and Engineering

A detailed description for each position is provided at: http://search-mech.mit.edu. Applicants should hold an earned Ph.D. in mechanical engineering or a relevant field by the beginning of the appointment. Faculty duties include teaching at the graduate and undergraduate levels, research, and supervision of student research.

We seek candidates who will provide inspiration and leadership in research and actively contribute to core mechanical engineering undergraduate and graduate level teaching. New faculty hires are expected to have a research focus in one of the disciplinary fields listed above. Applicants must have demonstrated: (1) outstanding research strength; (2) a strong disciplinary background; (3) strong experimental and/or theoretical skills; and (4) the potential to work across disciplinary boundaries. Appointment would be at the assistant or untenured associate professor level. In exceptional cases, a senior faculty appointment may be possible.

Applicants should send a curriculum vitae, a research statement, a teaching statement, and copies of not more than three publications. They should also arrange for four individuals to submit letters of recommendation on their behalf. This information must be entered electronically at the following site: http://search-mech.mit.edu. Full consideration will be given to applications submitted by December 31, 2010.

MIT is an Equal Opportunity/Affirmative Action Employer. Women and under-represented minorities are especially encouraged to apply.

FACULTY POSITION IN CANCER RESEARCH

The Department of Molecular Carcinogenesis at The University of Texas MD Anderson Cancer Center, Science Park, http://sciencepark.mdanderson.org, seeks applications for a tenure-track position at the Assistant Professor level. Research in the department focuses on cellular, molecular, and genetic mechanisms of carcinogenesis and cancer prevention. We seek individuals working on mechanisms of carcinogenesis, in areas including genetic susceptibility, epigenetic reprogramming, genomic instability, inflammation/immune responses, signal transduction, transcriptional regulation and cancer stem cells. Preference will be given to candidates committed to working in a highly collaborative, interdisciplinary environment. The successful candidate will be expected to develop and maintain an internationally recognized and competitively funded research program, and to participate in graduate training. The department is well-funded with many outstanding core support services, including subsidized facilities for analysis of genetically engineered mouse models. Our Division is located in a pine-ark forest near the city of Austin, TX. MD Anderson offers outstanding research facilities, startup packages, and faculty benefits. Required qualifications include a Ph.D. (or equivalent), postdoctoral or independent scholarly research experience, and a strong publication record.

Candidates should submit a statement of research interest and a CV to the email address below by January 15, 2011. Applicants should also request that three letters of recommendation be sent to:

Richard D. Wood, Ph.D., Department of Molecular Carcinogenesis
Chair, Search Committee, email: mfendley@mdanderson.org

THE UNIVERSITY OF TEXAS

MD Anderson Cancer Center

MD Anderson Cancer Center is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, gender, sexual orientation, age, religion, disability or veteran status except where such distinction is required by law. All positions are security sensitive and subject to examination of criminal history record information. MD Anderson Cancer Center is a smoke-free and drug-free environment.

Biomedical Diagnostics Institute

The Biomedical Diagnostics Institute (BDI) is a multidisciplinary research institute focused on the development of next generation diagnostic devices. A Science Foundation Ireland (SFI)-funded Centre for Science, Engineering and Technology (CSET), the BDI has developed a cutting-edge collaborative research programme involving leading researchers from partner academic institutions, companies and the clinical environment to create an integrated and cohesive partnership. Having pioneered advances in fundamental diagnostic technologies from our established core competencies in our first five years, BDI will now utilise these capabilities to focus on new research fields. This involves the development of diagnostic platform technologies in the areas of oncology, cardiovascular disease and infectious disease.

We are currently seeking applications from world-class research scientists at all levels (predoctoral, postdoctoral, and research technicians) to join our team with expertise in the following areas:

- Assay Development (ref. AD1)
- Microfluidics (ref. MF1)
- Luminescent Dye Synthesis (Synthetic Chemistry) (ref. LD1)
- Surface Chemistry (ref.SC1)
- Bioinformatics & Pattern Recognition (ref. BP1)
- Platelet Biology (ref. PB1)
- Tumour Cell Biology (ref.TB1)
- Haemorheology/Acoustic wave transducers (ref. AW1)

For informal queries:
E-mail bdi@dcu.ie stating the research area of interest and any queries you may have.

Application Procedure
Please submit your CV and Cover Letter by e-mail, quoting in the subject line the reference number of the area in which you are interested: hr.applications@ dcu.ie. Closing Date: 26 November 2010.

Human Resources Department, Dublin City University, Dublin 9, Ireland.
Tel: +353 (0) 1 700 5149 Fax: +353 (0) 1 700 5500 E-mail: hr.applications@ dcu.ie. For more information on the BDI, visit www.bdi.ie.

DCU is an equal opportunities employer.
The National Ecological Observatory Network (NEON, Inc.) is a nonprofit science corporation dedicated to understanding how changes in climate, land use and invasive species impact ecology.

The Data Products Team Lead will be responsible for leading the development and publishing the NEON Observatory High Level Data Product algorithms, including defining, documenting and implementing the models and algorithms used to convert NEON’s environmental data into information that can be used by the scientific community and the general public.

Applicants should possess a Ph.D. in ecology, bioinformatics or a related environmental science field, preferably with a broad understanding of the present state of ecological research and modeling technologies, including bioinformatics. We seek a scientist with a very broad experience in quantitative environmental science with a profound knowledge of at least one of the major NEON subject areas: modeling/analysis of biodiversity, biogeochemistry, invasive species, infectious disease, ecohydrology, climate and land use. The incumbent will represent NEON nationally and internationally in ecological and eco-informatics, and should be an effective speaker and writer.

For complete details and to apply go to www.neoninc.org.

NEON is an Equal Opportunity Employer encouraging women, Minorities, to apply.

Charles H. Best Postdoctoral Fellowships are available for qualified Ph.D. graduates (2 years or less postgraduate) in the field of molecular, genetic and genomic research. Applicants must address their applications to members of the Banting and Best Department of Medical Research at the University of Toronto.

Individual research programs include studies on gene expression, signal transduction, development, membrane transport and functional genomics, and are carried out in the new, state of the art Donnelly Centre (http://www.thedonnellycentre.utoronto.ca/). Applications should be addressed to one or two of the BBDMR department members (listed at: http://www.thedonnellycentre.utoronto.ca/positions.html), whose interests match their own. Upon agreement of sponsorship, the applicant must send a curriculum vitae, transcripts and three letters of reference to their sponsoring Faculty mentor.

The deadline for completed applications is December 17, 2010. Successful applicants will be supported for two years with a generous stipend.

The Department of Chemistry and Department of Medicinal Chemistry and Molecular Pharmacology at Purdue University are pleased to announce the availability of an endowed Chair faculty position in drug discovery and development.

We seek an exceptional scientist with an outstanding track record of creativity in any area related to the science of drug discovery. Candidates seeking to advance their own discoveries through early stages of clinical trials and those with an established track record of leadership and/or advancement of drug candidates to the clinic are particularly encouraged to apply. Purdue University offers a thriving interdisciplinary research and education environment, with excellent faculty and exceptional support services associated with drug discovery and preclinical testing. More details about the departments involved in this search at Purdue can be found at: www.chem.purdue.edu or www.mcmp.purdue.edu.

Applicants should send curriculum vitae, a summary of planned research and the names of three references to: Professor Paul B. Shepson, Department Head, Department of Chemistry, Purdue University, 560 Oval Drive, West Lafayette, IN 47907-2084. Review of application material is currently ongoing and will continue until the position is filled.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer fully committed to achieving a diverse work force.

GRANTS

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**FELLOWSHIPS**

Science Scholarships and Fellowships

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The UNCF/Merck Science Initiative is an innovative approach that creates opportunities in the biological, chemical and engineering sciences for African American students throughout the country.

**UNDERGRADUATE Science Research Scholarship Awards**

- Scholarships up to $25,000
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- Mentoring and networking opportunities
- Eligibility: College juniors, science or engineering majors, 3.3 GPA

**GRADUATE Science Research Dissertation Fellowships**

- Fellowships up to $53,500
- Mentoring and networking opportunities
- Eligibility: Ph.D. or equivalent degree candidates engaged in dissertation research in the biological, chemical or engineering fields

**POSTDOCTORAL Science Research Fellowships**

- Fellowships up to $92,000
- Mentoring and networking opportunities
- Eligibility: Ph.D. or equivalent degree recipients in the biological or chemical research fields

**APPLY ON-LINE**

http://umsi.uncf.org

Submit by December 1, 2010

T 703 205 3400
F 703 205 3550
E uncfmerck@uncf.org
RESEARCH ZOOLOGIST
Department of Invertebrate Zoology
The Smithsonian’s National Museum of Natural History seeks a zoologist to conduct an integrative, specimen- or collection-based research program in invertebrate evolution and biodiversity (exclusive of horseshoe crabs, myriapods, and arachnids). The successful candidate is expected to develop an internationally recognized research program that makes important contributions to understanding invertebrate evolution and biodiversity through systematic research involving phylogenetics, genetics, anatomy, development, genomics, biogeography, conservation, informatics, or related fields. Frequent publication of highly regarded papers in competitive, peer-reviewed journals, curation of collections in specialty area, service to the scientific community in leadership capacities, acquisition of external funding, engagement in outreach activities, and mentorship of students are expected. Fit with existing strengths of the department’s collections is desirable but not essential.

Full-time, four-year term appointment with full Government benefits to be filled at the GS-12 level; U.S. citizenship required. The museum’s authorized salary range for this position at this time is $74,872 to $79,864 per annum. For complete requirements and application procedures, go to website: http://www.sihr.si.edu and refer to Announcement 11A-RB-206421-DEU-R-Contact: Joanne Burrell at telephone: 202-633-6318. The announcement opens October 29, 2010. Applications must be received online by December 10, 2010, and must reference the announcement number. All applicants will be notified by e-mail when their application is received. The Smithsonian Institution is an Equal Opportunity Employer.

CGO
Department of Psychology
University of California, Riverside
The Department of Psychology, University of California, Riverside, invites applications for a tenure-track ASSISTANT PROFESSOR position in Cognitive Psychology to start July 1, 2011. We seek applicants whose research examines experience-dependent changes in human cognitive and/or perceptual systems. Applicants should demonstrate a record of research excellence using methodological approaches from among human behavioral, cognitive neuroscience, and/or computational modeling. Applicants should be committed to excellence in undergraduate and graduate education and interest in teaching quantitative methods. A Ph.D. is preferred and salary is commensurate with education and experience. Review of applications will begin December 15, 2010, and continue until the position is filled. Interested candidates should send their curriculum vitae, reprints if available, a cover letter describing research and teaching interests, and arrange to have three letters of recommendation sent to:

Professor Larry Rosenblum, Chair
Cognitive Search Committee
Department of Psychology
University of California, Riverside
Riverside, CA 92521

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

POSTDOCTORAL and JUNIOR FACULTY POSITIONS in T Cell Gene Therapy for Cancer and HIV/AIDS
Joint Program of Laboratory and Clinical studies of designer T cells for cancer (brain, breast, other) and infectious disease (HIV, PML). Expertise sought in cell signaling, cytokines, transcription, cell trafficking, in vitro/in vivo imaging, molecular engineering, animal models, and IHC. Contact: Dr. Peter Monti and Dr. P. Sampath at e-mail: juckett@wvrci.org. Provide curriculum vitae, research interests, and names of three references. Roger Williams Medical Center is a major teaching hospital of the Boston University School of Medicine.

FACULTY POSITIONS in Regenerative Medicine and Stem Cell Biology
University of California, Irvine
The University of California, Irvine is planning a major expansion of research in the broad areas of regenerative medicine and stem cell biology. We seek outstanding candidates with a doctoral degree and track record of research in several key areas important to regenerative medicine, such as niche biology, asymmetric cell division, cancer stem cells, tissue engineering, cell matrix interactions, developmental potency/epigenetics, cell signaling, regeneration, organogenesis and developmental phenomena, and innovative biomedical applications. Regenerative medicine and stem cell research have long histories of achievement at UC Irvine and the university has received significant research funding, as well as funding for a major research building from the California Institute of Regenerative Medicine. Core facilities within the Stem Cell Research Center provide laboratory and animal space for carrying out work that is currently ineligible for federal funding.

Applications will be made at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level, as supported by the qualifications and experience of the successful applicants. Applicants should submit a letter of application, curriculum vitae, bibliography, three letters of reference, and statements of research and teaching interests using the online recruitment system (see instructions at website: https://recruit.ap.uci.edu).

Review of applications will begin December 1, 2010, and the recruitment will remain open until the positions are filled.

The University of California, Irvine is an Equal Opportunity Employer committed to excellence through diversity. Women, men, and persons with disabilities are strongly encouraged to apply.

MAKING BIOLOGY-FISHERIES FACULTY POSITION
The Hawaii Institute of Marine Biology at the University of Hawaii at Manoa, SOEST, invites applications for non-tenure track, 11-month faculty ASSISTANT RESEARCHER. We seek a faculty member whose research interests include population dynamics and management of marine fish populations, and who can teach undergraduate courses related to TGF-b superfamily, VWF, Integrin activation, ligand binding, and therapeutics. Cell Biology of Integrin Activation. Transmembrane Receptor Signaling.


TIMOTHY A. SPINNER, IMMUNE DISEASE INSTITUTE, HAWAII MEDICAL SCHOOL, WEBSITE: HTTP://LABS.IDI.HARVARD.EDU/SPINNER/.

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The aim of the programme is to identify and support young, well-qualified postdocs who intend to start independent, lasting and creative research careers on their return to Sweden.

The Foundation has set aside a maximum amount of SEK 36 million to fund up to twelve (12) three-year grants of SEK 3 million each (including overhead). The grants include a personal scholarship of SEK 50,000 that will be awarded each recipient.

A leadership training programme will be arranged for the grantees. Participation in this leadership programme is mandatory.

This announcement covers research in the natural sciences, engineering and medicine.

The following criteria apply for eligibility:

- The applicant must have received his or her PhD at a Swedish university not earlier than 1 January 2007 (adjusted for documented parental leave and, in the case of MDs, any clinical internship/residency period (AT).
- The applicant must have conducted continuous postdoctoral studies outside Sweden for at least 12 months prior to the application deadline.
- The applicant must become permanently active at a university in Sweden. His or her work in Sweden should have started no earlier than 1 January 2010, and not later than 31 March 2012.

The following criteria will be applied in the selection process:

- Scientific quality and potential, reflected in previous research as well as in the proposed research
- Originality and innovativeness of the proposed research
- Description of how the proposed research can be implemented in Sweden, as well as its strategic relevance and importance for Sweden’s future competitiveness
- Applicant’s international experience and network.

The application process takes place in one step; full proposals only are accepted.

The proposals must be written in English and submitted via the electronic application system (portal) of the Foundation at http://apply.stratresearch.se.

The submission period opens on 11 November 2010. All applications must be submitted by 3 February 2011 at 14:00 (2 pm CET) at the latest.

Detailed instructions will be found at the electronic portal.

www.stratresearch.se
The Department of Pharmacology at Tulane University School of Medicine is currently recruiting faculty members with a Ph.D. or equivalent degree for tenure-track positions at the level of ASSISTANT or ASSOCIATE PROFESSOR. Areas of preferred expertise include Vascular Biology or Mitochondrial Biology. These positions are being filled as part of a major expansion of the research program in the department with a new chairperson at Tulane University. These positions will be supported by significant laboratory space, competitive salaries, and excellent startup packages. The requirements for Assistant Professor include a minimum of two years of postdoctoral research experience and for Associate Professor, a minimum of three years of experience at the level of Assistant Professor. The successful candidates are expected to have a distinguished record of scholarly activity including teaching experience in Pharmacology or other basic science area. For the Associate Professor position, NIH R01 or other significant extramural funding is expected.

Please submit application with full curriculum vitae and names of three references via e-mail to: Dr. David Busija (in care of e-mail: dsanders@tulane.edu), Regents Professor and Chairman, Department of Pharmacology, Tulane University School of Medicine, New Orleans, LA 70112. Please also include a letter that summarizes the future research plans. Review of applications will begin immediately and will continue until the positions are filled.

Tulane University is an Affirmative Action and Equal Opportunity Employer. We invite Women and Minorities to apply.

THE DEPARTMENT OF CHEMISTRY
The University of California, Irvine, invites applications for a SENIOR FACULTY position in synthetic chemistry broadly defined, including inorganic and organic chemistry. Applicants must have an international reputation for research excellence. The successful applicant will be expected to assume responsibility for undergraduate and graduate teaching in inorganic and/or organic chemistry, and to maintain a position of research leadership. Submit a complete curriculum vitae and publication record electronically via website: https://recruit.ap.uci.edu. Applicants should also submit the names of three references whom the Search Committee may contact. Applications will be accepted until the position is filled. The University of California, Irvine is an Equal Opportunity/Equal Employment opportunity. We invite Women and Minorities to apply.

POSTDOCTORAL POSITIONS
available to study the unusual mechanisms of cytokinesis in Trypanosoma brucei. Research experience in molecular biology and cell biology is required. The candidate must have a recent Ph.D. degree. Send an updated curriculum vitae and names and addresses of three references to: Professor C. C. Wang, Department of Pharmaceutical Chemistry, University of California, San Francisco, CA 94158 2280. Fax: 415-476-3382; e-mail: ccwang@cg.uosf.edu.

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