Faculty Searches
Department of Materials Science and Engineering

The Department of Materials Science and Engineering (DMSE) seeks two candidates for tenure-track faculty positions to begin July 2012 or thereafter. Appointments would be at the assistant or untenured associate professor level. In special cases, senior faculty appointments may be possible. Faculty duties include teaching at the graduate and undergraduate levels, research, and supervision of student and postdoctoral research.

Interested candidates for both positions should submit application materials electronically at http://dmsefacsrch.mit.edu. Each application should include: a curriculum vitae; a statement of research interests; and a statement of teaching interests. We request that each candidate arrange for three letters of reference to be uploaded at http://dmsefacsrch.mit.edu/letters/. Questions should be addressed to DMSE-Search-Master@dmsefacsrch.mit.edu.

Responses received by December 31, 2011 will be given priority.

Hard Materials
Candidates should hold a Ph.D. in Materials Science and Engineering or a related field by the beginning of the appointment period. Candidates with deep knowledge of the core of Materials Science and Engineering are desired, and applicants with expertise in any area of the field are welcomed. DMSE has specific strategic interests in processing-structure-property connections in hard materials. Hard materials can be broadly interpreted to include structural metals and ceramics, as well as smart materials with cross-properties. MIT has a number of institute-wide initiatives underway, or in development, on topics that include Manufacturing, Energy, Environment, and Health. Individuals who can connect to these initiatives are also of interest.

Soft Condensed Matter
Candidates should hold a Ph.D. in Materials Science and Engineering or a related field by the beginning of the appointment period. Candidates with deep knowledge of the core of Materials Science and Engineering are desired, and applicants with expertise in any area in the field of MSE are welcomed and will be considered, although DMSE has specific strategic interests in identifying excellent candidates working toward processing-structure-property connections for soft condensed matter. Such research areas of interest include synthetic (e.g., non-biological) polymer processing and characterization, macromolecular synthesis, organic-inorganic interfaces, and analysis of complex fluids. Applicants who specialize in experiments, modeling and simulation, or integration of practice and theory will be considered. MIT has a number of Institute-wide initiatives underway, or in development, on topics including Manufacturing, Energy, Environment, and Health. Individuals who can connect to these initiatives through the lens of soft condensed matter are of particular interest.

We especially encourage minorities and women to apply because of MIT’s strong commitment to diversity in engineering education, research, and practice. MIT is an Equal Opportunity/Affirmative Action employer.

http://web.mit.edu
The University of Illinois at Urbana-Champaign seeks full-time faculty for two tenured positions in areas with strong relevance to Computational and Genomic Medicine.

These positions are part of a cluster of hires supported by multiple campus units, which will make it possible to build campus expertise in Computational and Genomic Medicine with the goal of strengthening our research and educational capabilities in systems approaches to human medicine. These new positions, together with matching hires from various units, will strengthen research and teaching excellence in this field and form the core of a new theme in the Institute for Genomic Biology (see www.igb.illinois.edu). These positions will also support the strategic development of the Illinois Initiative for Health Sciences and the Mayo – Illinois Alliance for Technology-Based Health Care. Campus units collaborating in these hires are the Institute for Genomic Biology; School of Chemical Sciences; School of Integrative Biology; School of Molecular and Cellular Biology; College of Agricultural, Consumer, and Environmental Sciences; College of Applied Health Sciences; College of Engineering; and the College of Medicine. The candidate is expected to further strengthen ties between these units and to establish interdisciplinary collaborations. The chosen candidates will be appointed in one of the following Departments: Animal Biology, Animal Sciences, Biochemistry, Bioengineering, Cell and Developmental Biology, Chemical and Biomolecular Engineering, Chemistry, Computer Science, Entomology, Food Science and Human Nutrition, Kinesiology, Mathematics, Medical Information Science, Microbiology, Molecular and Integrative Physiology, Physics, or Statistics. The applicant must specify in their cover letter the department(s) for which they would like to be considered.

The University of Illinois at Urbana-Champaign is a world-class institution that offers exceptional opportunities for innovative individuals to conduct collaborative research within the Institute for Genomic Biology, the National Center for Supercomputing Applications (NCSA), the Beckman Institute for Advanced Science and Technology, the Roy J. Carver Biotechnology Center, the Seitz Materials Research Laboratory, the Micro and Nanotechnology Laboratory, and the NSF Center for the Physics of Living Cells. These senior-level positions are part of the new multi-year Strategic Excellence Hiring Program at Illinois that focuses on: (a) Information, Technology, and Society, (b) Human Health and Wellness, (c) Energy and Sustainability, and (d) Culture, Communication, and Global Issues. Candidates with experience in computational approaches to human medicine, including genomics, systems biology, and microbial ecology are encouraged to apply. The successful candidate will be expected to participate in developing an educational core allowing undergraduates to gain quantitative skills for their future careers in health related disciplines. Minimum qualifications include an earned doctorate in biomedical or computational research, outstanding academic credentials, and international stature. Rank and salary will be commensurate with qualifications. Starting dates for these positions are negotiable.

Applicants are asked to please create their candidate profiles at http://jobs.illinois.edu and upload letters of interest (including email address), resumes, statements of research goals, and contact information for three professional letters of reference by January 16, 2012. Applicants may be interviewed before the closing date; however, no hiring decision will be made until after that date. All requested information must be submitted for applications to be considered. For further information regarding the application procedures, please contact Kim Johnson, kljohns@igb.illinois.edu. Salary is negotiable and commensurate with experience.

Current junior faculty positions advertised on the University of Illinois campus in Computational and Genomic Medicine can be found at http://www.igb.illinois.edu/Junior-Faculty-Positions.

Illinois is an Affirmative Action/Equal Opportunity Employer and welcome individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity (http://www.inclusiveillinois.illinois.edu).
The Department of Environmental and Occupational Health, School of Public Health, University of Medicine and Dentistry of New Jersey (UMDNJ), invites applications for a tenure-track assistant professorship. The successful applicant should have a doctoral degree (Ph.D., M.D., or comparable) and academic experience commensurate with the level of the appointment, and in particular should have demonstrated a record of peer-reviewed publications and a track record of extramural grants or demonstrable potential to successfully obtain extramural grants. The applicant should have a strong background in public health research and is expected to develop and sustain a vigorous, extramurally funded research program in environmental and occupational sciences. Persons with experience in population-based research on environmental diseases (including cancer and chronic respiratory diseases) and global public health related to air pollution are particularly encouraged to apply.

The new faculty member will teach and mentor graduate students pursuing a MPH, PhD, or DrPH degree, with a concentration in environmental and occupational health. The new faculty member will have excellent opportunities to collaborate with experts in exposure and risk assessment, epidemiology, clinical research, population research, biostatistics, infection immunology, toxicology at UMDNJ-School of Public Health (www.sph.umdnj.edu), and its affiliated Center for Global Public Health, Robert Wood Johnson Medical School (www.rwjms.umdnj.edu), the Cancer Institute of New Jersey (www.cinj.org), Environmental and Occupational Health Sciences Institute (www.eohsi.rutgers.edu), all located on the New Brunswick/Piscataway campus of UMDNJ and Rutgers University.

Complete applications received by December 31, 2011 will be assured of consideration. The latest expected date of employment is June, 2012. Applicants should send curriculum vitae, statement of research and teaching goals, and contact information for three complete applications received by December 31, 2011 will be assured of consideration. The latest expected date of employment is June, 2012. Applicants should send curriculum vitae, statement of research and teaching goals, and contact information for three referees to: Ms. Irene Karmazsin, UMDNJ-School of Public Health, 683 Hoes Lane West, Room 327, Piscataway, NJ 08854; Tel: 732-235-9734; Fax: 732-235-5466; Email: karmazif@umdnj.edu. The UMDNJ is an Affirmative Action/Equal Opportunity Employer M/F/D/V and a member of the University Health System of New Jersey. The UMDNJ-School of Public Health is sponsored by the University of Medicine and Dentistry of New Jersey in cooperation with Rutgers, The State University of New Jersey and New Jersey Institute of Technology.

The Department of Biological Sciences at Oakland University invites applications for a tenure-track, Assistant Professor position in the area of Evolutionary Biology. The successful candidate is expected to develop a vigorous, externally-funded research program. Candidates with molecular, developmental, or genetic approach are particularly encouraged to apply. Laboratory space and startup package will be provided. A PhD and post-doctoral experience are required as well as a strong research track record evidenced by publications. The successful candidate will engage undergraduate and graduate students in their research program and teach evolution at the undergraduate and graduate levels.

The Department of Biological Sciences (http://www2.oakland.edu/biology) is a modern, well-equipped, and research-oriented department. The department has active graduate programs at the Master’s and Ph.D. level. Oakland University is a state-supported institution of 19,000 students situated on a beautiful 1,600-acre campus 25 miles north of Detroit. Oakland University is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women and underrepresented minorities in STEM.

Review of Applications will begin on January 15, 2012, and continue until the position is filled. Applicants should submit a cover letter, curriculum vita, detailed statement of research plans, teaching philosophy, and at least three references via the web at: https://academicjobs.oakland.edu/postings/97.

Inquiries should be addressed to:
Arik Dvir, Chair,
Department of Biological Sciences
dvir@oakland.edu

Oakland University is an Equal Opportunity Employer and encourages applications from women and minorities.

The Department of Biological Sciences at Oakland University invites applications for a tenure-track position in Ecology at the Assistant Professor level. Candidates working at all levels of organization, using plants, animals or microbes will be considered. Applicants working in the sub-disciplines of ecosystems, landscapes, communities and conservation are particularly encouraged to apply. A Ph.D. and post-doctoral experience are required as well as a strong research track record evidenced by publications. Lab space and start-up package will be provided. The successful candidate is expected to develop a vigorous, extramurally funded research program, to teach effectively at the undergraduate and graduate levels, and to mentor undergraduate and graduate research students.

The Department of Biological Sciences (http://www2.oakland.edu/biology) is a modern, well-equipped, research-oriented department. The department has active graduate programs at the Master’s and Ph.D. level. Oakland University is a state-supported institution of 19,000 students situated on a beautiful 1,600-acre campus 25 miles north of Detroit. The campus contains a 110-acre biological reserve that is utilized for research and teaching. Oakland University is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women and underrepresented minorities in STEM.

Review of Applications will begin on January 15, 2012, and continue until the position is filled. Applicants should submit a cover letter, curriculum vita, detailed statement of research plans, teaching philosophy, three manuscripts/publications, and a list of at least 3 references with contact information via the web at: https://academicjobs.oakland.edu/postings/96.

Inquiries should be addressed to Keith A. Berven, Search Committee Chair, berven@oakland.edu

Oakland University is an Equal Opportunity Employer and encourages applications from women and minorities.
Faculty Search: Materials Science and Engineering

The Materials Science and Engineering (MSE) Program at King Abdullah University of Sciences and Technology (KAUST) invites applications for faculty positions at all ranks (Assistant, Associate, and Full Professors) beginning in the Fall of 2012.

KAUST is an international graduate-level, merit-based research university dedicated to advancing science and technology through bold and collaborative research and to addressing challenges of regional and global significance. Located on the Red Sea coast of Saudi Arabia, KAUST offers superb research facilities, generous research funding, and internationally competitive salaries. Further information can be obtained by clicking on the following link: http://www.kaust.edu.sa.

The MSE Program at KAUST currently has eight full-time faculty members researching in the areas of: materials for nanotechnology, inorganic/organic electronics, and alternative energy; materials synthesis, advanced characterization and computational methods, device fabrication and characterization and related areas. These areas are enhanced by strong support from KAUST’s international research collaboration networks, and advanced central research facilities including Nanofabrication, Imaging and Characterization, Analytical Chemistry, Supercomputing and Scientific Visualization. More information about the MSE program and research activities is available at: http://mse.kaust.edu.sa.

As part of the expansion of the MSE Program, we invite applications from exceptional candidates for faculty positions at all ranks and in all areas of Materials Science. Priority will be given to candidates with research interests in the following research areas:

- Biomaterials
- Carbon-based materials
- Electrochemistry
- Materials for spintronics

Candidates should have the ability to pursue a high impact research program and demonstrate commitment to teaching at the graduate level. Applications must include a complete curriculum vitae/ publication list, a research plan, a statement of teaching interests, and the names and contact information of at least 3 references for an Assistant Professor position or a list with the names and affiliation of potential referees for Associate Professor and Full Professor positions. Please submit applications electronically as a single PDF file to the MSE Search Committee (MSE_Search@kaust.edu.sa). Priority will be given to applications received before Jan 30, 2012 and positions will remain open until filled. Please identify the research area to which you are applying in the subject heading of the email.
Applications are invited for:-

**School of Biomedical Sciences, Faculty of Medicine**

The School of Biomedical Sciences was established under the Faculty of Medicine in June 2009 through re-organization of its preclinical departments. It is the Faculty’s vision to become a world-recognized leader in selected fields of biomedical sciences while maintaining excellence in postgraduate and undergraduate educational programmes. Currently, the School has research programmes focusing on neurodegeneration, cancer biology and inflammation, developmental biology, reproduction and endocrinology, vascular and metabolic biology, and stem cell and regeneration.

Individuals who are strongly motivated by the biological importance of their research and who value the opportunity to work in close collaboration with others are welcome to apply. Those with expertise in stem cell biology, developmental and clinical genomics, organogenesis, neurogenetics and human genetics are particularly welcome. The School will provide state-of-the-art research facilities, appropriate laboratory and office space, and a handsome start-up package.

(1) **Professor (Non-clinical)**

(Ref. 1112/083(665)/2) (Closing date: December 19, 2011)

Applicants should have (i) a PhD, MD, or DVM degree or equivalent in biological sciences or related disciplines; (ii) experience in using cutting-edge approaches including but not limited to live cell imaging, epigenomics, proteomics, bioinformatics, or transgenic animal models in research; (iii) a good track record of research and publication in international peer-reviewed scientific journals in one or more related areas as mentioned; (iv) a good track record of obtaining international and local competitive research grants; (v) extensive research and teaching experience in local or overseas higher education; and (vi) a strong track record in academic and research leadership. Apart from teaching undergraduate, postgraduate, and general education courses, the appointee will be expected to provide leadership and develop the related fields of research as mentioned to the highest standard of excellence. Appointment will normally be made on contract basis for up to three years initially commencing May 2012 or as soon as possible thereafter, which, subject to mutual agreement, may lead to longer term appointment or substantiation later.

(2) **Associate Professor(s) / Assistant Professor(s) (Non-clinical)**

(Ref. 1112/084(665)/2) (Closing date: December 19, 2011)

Applicants should have (i) a PhD, MD, or DVM degree or equivalent in biological sciences or related disciplines; (ii) experience in using cutting-edge approaches including but not limited to live cell imaging, epigenomics, proteomics, bioinformatics, or transgenic animal models in research; and (iii) a good track record of research and publication in international peer-reviewed scientific journals in one or more related areas. The appointee(s) will (a) teach undergraduate, postgraduate, and general education courses; and (b) lead a vigorous independent research programme. Appointment(s) will normally be made on contract basis for up to three years initially commencing May 2012 or as soon as possible thereafter, which, subject to mutual agreement, may lead to longer term appointment or substantiation later.

**Salary and Fringe Benefits**

Salary will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, a contract-end gratuity for appointments of two years or longer, and housing benefits for eligible appointees. Further information about the University and the general terms of service for appointments is available at [http://www.recruit.edu.hk](http://www.recruit.edu.hk). The terms mentioned herein are for reference only and are subject to revision by the University.

**Application Procedure**

Please send full resume, copies of academic credentials, a publication list and/or abstracts of selected published papers, together with names, addresses and fax numbers/e-mail addresses of three referees to whom the applicants’ consent has been given for their providing references (unless otherwise specified), to the Personnel Office, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong (Fax: (852) 3943 1462) by the closing date. The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark ‘Application - Confidential’ on cover.

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**Faculty Position in Metabolism Research**

The Children’s Research Institute (CRI) at the University of Texas Southwestern Medical Center seeks applications for a tenure-track faculty position in Dallas, TX at the Instructor, Assistant Professor, or Professor level in the area of metabolism and disease. Outstanding investigators at any academic rank will be considered. Candidates must have a Ph.D., M.D. or equivalent degrees, a track record of outstanding research, and the ability to direct an independently-funded research program. Areas of specific interest for this position include metabolomics, metabolic flux analysis, mitochondrial biology and other areas of metabolism relevant to human health and development. In addition to analytical equipment dedicated to the investigator’s research, CRI members will also have access to a metabolomics core housing instrumentation for ultra-high pressure liquid chromatography, triple-quadrupole mass spectrometry and gas chromatography/mass spectrometry. NMR spectroscopy, 13C dynamic nuclear polarization, a human 7-Tesla MRI and a state-of-the-art mouse metabolic phenotyping facility are also available on campus to provide an unparalleled breadth of metabolic analysis.

The UT Southwestern Medical Center has a distinguished history of excellence in disease-related basic science research. The CRI is a new institute dedicated to recruiting outstanding scientists dedicated to solving fundamental problems in human disease and to providing a dynamic, stimulating and highly collaborative scientific environment. Major areas of focus within the CRI will include stem cell biology and cancer in addition to metabolism.

Please submit a CV, a 2-page summary of past accomplishments and research plans, and ask three references to submit letters to Beth Morris at beth.morris@utsouthwestern.edu.

CRI is a collaborative venture with Children’s Medical Center of Dallas.

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**Faculty Position in Cancer Research**

The Children’s Research Institute (CRI) at the University of Texas Southwestern Medical Center seeks applications for a tenure-track faculty position in Dallas, TX at the Instructor, Assistant Professor, or Professor level in the area of cancer biology. Outstanding investigators at any academic rank will be considered. Candidates must have a Ph.D., M.D. or equivalent degrees, a track record of outstanding research, and the ability to direct an independently-funded research program.

The UT Southwestern Medical Center has a distinguished history of excellence in disease-related basic science research. The CRI is a new institute dedicated to recruiting outstanding scientists dedicated to solving fundamental problems in human disease and to providing a dynamic, stimulating and highly collaborative scientific environment. Major areas of focus within the CRI will include stem cell biology and cancer in addition to metabolism.

Please submit a CV, a 2-page summary of past accomplishments and research plans, and ask three references to submit letters to Beth Morris at beth.morris@utsouthwestern.edu.

CRI is a collaborative venture with Children’s Medical Center of Dallas.

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Unique fellowship for top female scientists

The Delft Technology Fellowship offers high-profile, tenure-track positions to top female scientists in research fields in which Delft University of Technology (TU Delft) is active.

As a fellow you will be offered the unique chance to establish your own research programme of international repute, including generous start-up funding. The five-year fellowships are awarded at the assistant, associate and full professor level.

You are a highly talented and motivated pioneer with a proven drive for scientific excellence and a few years of post-doctoral working experience in various research groups in industry or academia.

For further information on this fellowship opportunity, please refer to www.jobsindelft.com/fellowship

The deadline for applications is the 15th of January 2012.
Faculty Positions in Analysis at the Ecole polytechnique fédérale de Lausanne (EPFL)

The School of Basic Sciences at EPFL invites applications for a position of professor of mathematics in analysis at the tenure track level; in exceptional cases, an appointment at a higher level may also be considered.

We are seeking candidates with an outstanding research record and a strong commitment to excellence in teaching at both the undergraduate and graduate levels. Substantial start-up resources and research infrastructure will be available.

The EPFL School of Basic Sciences aims for a strong presence of women amongst its faculty, and qualified female candidates are strongly encouraged to apply.

Applications including letter of motivation, curriculum vitae, publication list, concise statement of research and teaching interests as well as the names and addresses (including email) of at least five references should be submitted in PDF format via the website http://sbpositions.epfl.ch/applications/.

The evaluation process will start on January 1st, 2012, but applications arriving after that date may also be considered.

For additional information, please contact: Professor Philippe Michel, Chair, Mathematics Search Committee.

Email: philippe.michel@epfl.ch (please specify the tag “[Analysis11]” in the subject field).

For additional information, please consult the following websites: http://sb.epfl.ch, http://sb.epfl.ch/mathematics

Faculty Position in the Department of Bioengineering

The Department of Bioengineering at the University of California, Riverside invites applications for a junior level tenure-track faculty position in the area of medical technologies and personalized healthcare, although exceptional candidates will be considered from all areas of bioengineering. Exceptional senior candidates may be considered. Applicants should have a doctoral degree in bioengineering or related field in science and engineering. Details and application materials can be found at www.engr.ucr.edu/facultysearch.

The search committee will review applications beginning on January 25, 2012 and will continue to receive applications until the positions are filled.

EEO/AA Employer.

Faculty Position in Host-Pathogen Interactions
DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
LSU HEALTH SCIENCES CENTER, SHREVEPORT, LA

Applications are invited for a tenure-track faculty position at the rank of Assistant or Associate Professor for a scientist working in an area of host-pathogen interactions including, but not limited to, molecular aspects of infection, interaction of the bacterial, parasitic, or viral pathogen with the immune system, or mechanisms of immune evasion. Applicants should have a Ph.D. or M.D. degree, several years of postdoctoral experience, and a history of high quality publications. Responsibilities include teaching graduate and medical students and directing a nationally competitive research program. The Department faculty of 18 members directs 40 doctoral and postdoctoral trainees and an interdepartmental NIH-funded Center for Molecular and Tumor Virology. The Department is well equipped for molecular research and is augmented by the LSUHSC Core Facility which offers BSL-3PLUS laboratories and “state-of-the-art” biotechnologies such as flow cytometry, confocal microscopy, laser capture microdissection, DNA array analyses, proteomics, small animal imaging, etc. A Research Incentive Plan allows nationally funded investigators to receive unrestricted funds for research as well as salary augmentation.

Applicants should send a curriculum vitae and statement of research goals and funding and arrange for three letters of reference to:
Dr. Dennis J. O’Callaghan, Boyd Professor and Head
Department of Microbiology and Immunology
LSU Health Sciences Center
1501 Kings Highway
Shreveport, LA 71130

A/EOE

Department of Pharmacology
TENURE/TENURE TRACK POSITION
(Assistant Professor, Associate Professor, Professor)

The Department of Pharmacology at the University of Minnesota invites applications for a tenure/tenure track faculty position (Assistant, Associate or Full Professor). Researchers using molecular, biochemical, cellular, integrative and/or translational approaches to study problems relevant to the pharmacological sciences are encouraged to apply. The successful applicant’s research will contribute to the University of Minnesota’s Corridors of Discovery that include diabetes, infectious disease, brain science, cancer and cardiovascular disorders. Qualifications include a Ph.D. in biomedical science, or an M.D. degree, and relevant postdoctoral research experience. Applicants must have a strong record of research accomplishments, as documented by publications in leading peer-reviewed journals. The successful Assistant Professor candidate will be expected to develop an innovative, competitive research program supported by extramural funding and to participate in departmental teaching activities. Applicants for Associate Professor and Professor positions must demonstrate distinction in published research, evidence of consistent extramural funding, and a commitment to teaching. For additional information about the department, visit: www.pharmacology.med.edu

Interested applicants should apply online at http://employment.umn.edu/applicants/Central?quickFind=98673 for the Assistant Professor position or at http://employment.umn.edu/applicants/Central?quickFind=98673 for the Associate Professor or Professor position. Attach a letter of interest, curriculum vitae, brief statement of research interests, and contact information for three references.
To unravel the complex systems most critical to our future – economies, ecosystems, conflict, disease, human social institutions, and the global condition – a new kind of science is required, one that merges the riches of many disciplines, from physics and biology to the social sciences and the humanities.

For more than 25 years the SANTA FE INSTITUTE, the locus of complexity science, has prepared the next generation’s scholars to seek the theoretical foundations and patterns underlying our world’s toughest problems.

Learn from the most respected minds in complexity science, where it all started. Become a Complexity Scholar at the SANTA FE INSTITUTE.

COMPLEXITY SCHOOLS
Complex Systems Summer School
June 2012, Santa Fe, New Mexico • Graduate Students & Postdoctoral Fellows
Graduate Workshop in Computational Social Science and Modeling
June 2012, Santa Fe, New Mexico • Graduate Students
Complexity and Modeling Program C.A.M.P.
July 2012, Fairfax, Virginia • High School Students

FELLOWSHIPS, INTERNSHIPS, & MENTORSHIPS
Omidyar Postdoctoral Fellowship
Ongoing • Postdoctoral Fellows
NSF Research Experiences for Undergraduates
June – August 2012, Santa Fe, New Mexico • Undergraduates
Project GUTS: Growing Up Thinking Scientifically
Afterschool programs, selected communities, various dates • Middle School Students
GUTS y Girls:
Afterschool programs, selected communities, various dates • Female Middle School Students

PROFESSIONAL DEVELOPMENT
Exploring Complexity from an SFI Perspective
September 2012, San Francisco Bay Area • Professionals, no math or science required
Computational Social Science Modeling Working Group
June 2012, Santa Fe, New Mexico • Graduate Students (by invitation only)
Demystifying Complex Systems: Curriculum Planning for Teachers
June-July 2012, Fairfax, Virginia • High School Teachers
The Science of Complexity: Understanding the Global Financial Crisis
May 2012, Fairfax, Virginia • Professionals, no math or science background required

For eligibility, application deadlines, fees, tuition assistance information, and other details, see:
www.santafe.edu/education/

big ideas have never been so small

Opportunities have never been this great

Nanoscience is a key enabling technology and CRANN, the Nanoscience Institute based in Trinity College Dublin is an internationally recognised leader in the field.

CRANN Institute,
Director and Chair Position
www.cranntcd.ie

CRANN is currently seeking its next Director who will be a research scientist of international standing with a proven track record of attracting funding, developing relations with industry and managing large-scale programmes by providing clear vision and leadership. The Director will possess exceptional communication skills and the capacity to influence and inform national science and enterprise policy.

CRANN has over 300 researchers, mostly based in two state-of-the-art facilities on the College campus. A commitment to publishing research of the highest scientific quality has led Ireland to be ranked sixth globally for the impact of its nanotechnology research. CRANN works with 70 companies and is active in the commercialisation of its research output. The new Director will shape the future trajectory of international leadership which is developing at CRANN.

For further information, contact Ann-Marie Farrell by emailing: annmarie.farrell@tcd.ie or visit www.tcd.ie/hr/vacancies
The Ontario Cancer Institute (the research arm of the Princess Margaret Hospital) is seeking applicants for the position of Senior Scientist and Director of Cancer Genomics. The successful candidate should have an MD, Ph.D., or MD, Ph.D. and substantial experience in conventional and next generation sequencing technologies. A strong, well-established track record in genomics/technology and molecular biology is essential.

He/she will be expected to direct a world-class translational research program and to help move next generation sequencing methods to the clinic. This position includes a guaranteed salary and benefits plus substantial resources.

The Princess Margaret Hospital is the largest cancer research center in Canada, with nearly 20,000 patients seen yearly, 20-30% of whom are on clinical trials. OCI/PMH faculty also is eligible for appointment to the appropriate level and department at the University of Toronto.

Our downtown location adjacent to other major Toronto institutions, such as the Hospital for Sick Children, the Samuel Lunenfeld Research Institute, the Toronto General Research Institute and the University of Toronto – St. George campus, as well as the Ontario Institute for Cancer Research provides an extraordinarily rich scientific environment.

Interested candidates should send their CV to:

Dr. Benjamin G. Neel
Director, Ontario Cancer Institute
610 University Avenue, Suite 7-504
Toronto, Ontario M5G 2M9
oci.faculty.search@uhnresearch.ca

We wish to thank all applicants for their interest, however, only those selected for an interview will be contacted. The Ontario Cancer Institute is the research institute of Princess Margaret Hospital, which along with the Toronto General Hospital and the Toronto Western Hospital, is a member of the University Health Network, an Equal Opportunity Employer.
The National Institute of General Medical Sciences (NIGMS), a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is seeking applications from exceptional scientists to serve as Chief of the Cell Biology Branch in the Division of Cell Biology and Biophysics. This Branch supports research grant programs addressing fundamental questions on the organization, structure, organelles, and processes of cells. Major scientific areas within the Branch include cell motility, cell division, cell attachment, extracellular matrix, cell signaling, cytoskeletal components and dynamics, membrane structure and function, intracellular trafficking, lipid metabolism, electron and light microscopy. The Institute is seeking an individual with scientific, administrative, and leadership credentials who can manage individual grant programs in cell biology and oversee the management of the Branch as a whole. Information about the Division of Cell Biology and Biophysics can be found at: http://www.nigms.nih.gov/About/Overview/CBB.htm.

Qualifications: The successful individual will possess a Ph.D., M.D. or equivalent degree in a field relevant to the position, have research experience in cell biology or related fields, a knowledge of biological processes, leadership and managerial skills, and strong oral and written communication skills. Applicants must be U.S. citizens.

Salary: The current salary range is $123,758 – $155,500, depending on experience and accomplishments; a full Civil Service package of benefits (including retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.) is available. Recruitment or relocation incentive may be awarded and moving expenses will be paid.

How to Apply: Position requirements and detailed application procedures are provided in vacancy announcement NIH-NIGMS-DE-2011-555683, which can be obtained by accessing the NIGMS website at http://www.nigms.nih.gov. All applications and supplemental information must be received no later than December 23, 2011. For additional information, contact Gina Johnson at 301-594-9751.

DHHS, NIH, and NIGMS are Equal Opportunity Employers.
The Department of Entomology in the College of Agriculture and Life Sciences invites applications for a tenure-track position in insect immunology at the Assistant Professor level. We are particularly interested in candidates who combine molecular biological approaches with cellular and/or systems-level physiology to investigate the mechanistic basis of immune system function and how this translates into insect resistance, susceptibility or tolerance to pathogens, parasites or symbionts. Applicants with a primary interest in interactions with bacteria, viruses, fungi, protists, nematodes and/or parasites are encouraged to apply.

The Cornell Department of Entomology is a premier department of insect biology. Cornell University has a strong collaborative spirit fostering collegial interaction across departments, and has greatly enhanced its faculty through the ongoing campus-wide New Life Sciences Initiative. The advertised position offers a competitive salary and start-up package, custom-renovated laboratory facilities, and a supportive, interactive research environment.

Applicants should submit a single pdf file that includes (i) a letter of application, (ii) a curriculum vitae, (iii) statement of current and future research interests, (iv) a statement of teaching goals, and (v) the names and contact information of three referees, to the Chair of the Insect Immunology Search Committee, Dr. Angela E. Douglass, at lev1@cornell.edu with “Insect Immunology” in the subject line. Candidates should also arrange for three letters of recommendation to be sent to Dr. Douglass independent of this application. Review of applications will begin on December 9, 2011; applications submitted after this date may be considered. Further particulars are available at http://entomology.cornell.edu/jobs.

Cornell University, located in Ithaca, New York, is an inclusive, dynamic, and innovative Ivy League university and New York’s land-grant institution. Its staff, faculty and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university’s mission of teaching, research, and outreach.

Cornell University
Cornell University is an affirmative action/equal opportunity employer and educator.

TENURE-TRACK FACULTY POSITIONS
Department of Cell Biology

The Department of Cell Biology of the Miller School of Medicine at the University of Miami has openings for tenure track faculty members at all ranks. Current department research includes focusing on understanding mechanisms and function of host defense and innate signaling processes. Applications are sought from individuals whose research uses cutting edge technology/model systems and who would complement and expand established research areas. Applications are particularly encouraged from individuals whose research focuses on the role of the endoplasmic reticulum in facilitating host defense/stress signaling, as well as studies on glycosylation, autophagy or endosomal trafficking. Applicants should have a Ph.D. and/or M.D. degrees, participate in graduate student teaching and university service activities. Interested individuals should submit curriculum vitae, a short summary of research interests, and the names of at least three individuals willing to serve as references, to:

Glen N. Barber, Ph.D.
c/o Maria Penton
Department of Cell Biology
P.O. Box 016960 (R-124)
Miami, FL 33101-6960
mpenton@med.miami.edu

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

TENURE-TRACK ASSISTANT OR ASSOCIATE PROFESSOR
CYBERINFRASTRUCTURE (INTERDISCIPLINARY)

The Graduate Center of the City University of New York (CUNY), the doctorate-granting institution of CUNY, is devoted to advancing original research and training graduate students in over 31 fields in the humanities, social sciences, and sciences. The Graduate Center invites applications from distinguished scholars with research interests in cyberinfrastructure for a tenure-track position at the Assistant or Associate Professor level. We are looking for candidates with an exceptional publication record and a demonstrated history of successful grant-funded research. Applicants should possess interdisciplinary interests and a commitment both to teaching and mentoring graduate-level students.

This is one of a cluster of newly created cyberinfrastructure faculty lines across the CUNY system, and the successful candidate will have a Ph.D. and a strong record of collaborative research. The preferred field of specialization is data visualization and analysis, but applicants with expertise in data/text mining, linked data semantic web, data interoperability, computational science, informatics, machine learning, game theory, and digital humanities will also be considered.

Salary and start-up package will be competitive and commensurate with the high level of accomplishments expected for the successful applicant.

The review of applications will begin on November 30, 2011 and continue until the position is filled. To apply, please send a letter of application, a current CV, a statement of research interests (including a description of current and planned research funding), and the names and contact information for three professional references to the Chair of Cyberinfrastructure Search Committee, Office of the Provost, CUNY Graduate Center, 365 Fifth Avenue, New York, NY 10016.

Email applications will be accepted. To apply, please send a message with the above materials as attachments to cyberinfrastructure@gc.cuny.edu.

THE GRADUATE CENTER IS CUNY

Endowed Chair - Immunology of Infectious Diseases
Department of Pathology, Microbiology and Immunology
Vanderbilt University School of Medicine

The Department of Pathology, Microbiology and Immunology at Vanderbilt University School of Medicine solicits applications and/or nominations to fill the newly created Major E. B. Stahlman Chair focused on the immunology of infectious diseases. Candidates should have a sustained record of high-impact research publications in this field of study, substantial ongoing extramural research funding and evidence for outstanding academic achievement that merits appointment to the Vanderbilt faculty at the full professor level. Considerable financial resources and space are committed to this position along with the opportunity to lead the recruitment of additional junior faculty.

Vanderbilt University Medical Center, located on the Vanderbilt University campus, is home to internationally recognized programs in bioinformatics, drug discovery, global health, immunaging, imaging science, pharmacology, proteomics, and vaccine science. The School consistently ranks in the Top 20 US Medical Schools and provides outstanding opportunities for scholarship, collaboration, and teaching.

The Vanderbilt University campus is a National Arboretum located in the heart of Nashville, the capital of Tennessee. Known internationally as “Music City USA”, Nashville is also the home to professional sports teams, the Nashville Symphony, the Nashville Opera, the Fisk Jubilee Singers, the Frist Center for the Visual Arts, and numerous activities for outdoor enthusiasts. Nashville, Tennessee is a wonderful place to live, work, and raise a family.

Applications should send a curriculum vitae and a statement of current and future research interests to Samuel A. Santoro, M.D., Ph.D., Dorothy B. and Theodore R. Austin Professor and Chair, Department of Pathology, Microbiology and Immunology, Vanderbilt University School of Medicine, C-3322 Medical Center North, 1161 21st Ave. S., Nashville, TN 37232. Applications and nominations can be directed via email to samuel.santoro@vanderbilt.edu.

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

Your career is our cause.

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- Job Alerts
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Science Careers
From the journal Science
We invite applications for faculty positions, from junior to senior level, in the complete range of research topics within the field of Bionanoscience. We are particularly eager to expand in the following research areas: synthetic biology, super-resolution microscopy (nanoscopy), and cell biology. For the overall balance in the department, we especially welcome applications from senior scientists.

We look for group leaders with an outstanding scientific track record in bionanosciences, people with a pioneering mentality who appreciate scientific and engineering challenges and who through their research, management skills, and teaching qualities can inspire co-workers and students alike. Successful candidates will be expected to establish a strong, externally funded research program and be committed to excellence in teaching at the undergraduate and graduate levels.

Please apply before January 15th 2012. For more information about the department: www.bn.tudelft.nl.

For more information, please visit www.jobsindelft.com
DIVISION DIRECTOR
Division of Social and Economic Sciences
National Science Foundation
Arlington, VA 22230

National Science Foundation (NSF) Directorate for Social, Behavioral and Economic Sciences seeks candidate for the position of Division Director, Division of Social and Economic Sciences (SES).

The incumbent serves as a member of the SBE Directorate leadership team and as the Foundation’s principal spokesperson in the area of social and economic sciences. Provides leadership and direction to the NSF Division responsible for funding research and education activities, both nationally and internationally, to develop and advance scientific knowledge focusing on social and economic sciences, implications of social and economic sciences, and sociological and such vibrant interdisciplinary fields as decision making and risk, law and social science, and science and technology studies. Assesses needs and trends involving the social and economic sciences, implements overall strategic planning and policy setting for the Division, determines funding requirements, prepares and justifies budget estimates, balances program needs, allocates resources, oversees the evaluation of proposals and recommendations for awards and declinations, and represents NSF to relevant external groups. Supervises and provides leadership and guidance to senior SES staff (Deputy Division Director), program officers, administrative and support personnel. Fosters partnerships with other Divisions and Directorates within NSF, Federal agencies, scientific organizations, and the academic community. Information about the Division’s activities may be found at website: http://nsf.gov/.

Appointment to this Senior Executive Service (SES) position may be on a one to three year SES limited term basis or assigned under the provisions of the Interagency Personnel Act (IPA), with a salary range of $155,550 to $165,300.

Announcement SES-2012-0002, with position requirements and application procedures are posted on NSF’s Home Page at website: http://nsf.gov/about/career_opps/. Applicants may also obtain the announcement by contacting the Executive Personnel Staff at phone: 703-292-8755. (Hearing impaired individuals may call TDD: 703-292-8044). Applications must be received by December 14, 2011. NSF is an Equal Opportunity Employer.

PLANT PHYSIOLOGICAL ECLOGIST
The Department of Ecology at Montrasota State University (MSU) seeks an ASSISTANT PROFESSOR of Plant Physiological Ecology with a promising research and teaching record focused on responses of vegetation to climate change (to commence Fall 2012). We are particularly interested in candidates whose research examines one or more of the following: (1) effects of global change on plant physiology and consequences for vegetation composition, plant quality, and/or productivity; (2) mechanisms of vegetation response including the interactive effects of water, light, temperature, and nutrients; (3) linkages between plant- and species-level physiological responses and patterns of productivity at broad spatial and temporal scales; and (4) use of simulation models or other quantitative tools to forecast vegetation pattern under global change. The successful candidate is expected to maintain an excellent program of research and publication with strong commitment to quality undergraduate and graduate education. The Department of Ecology is committed to faculty diversity, and women and minority candidates are strongly encouraged to apply. Applicants should electronically submit a letter of interest addressing the required and preferred qualifications, curriculum vitae, description of research accomplishments and future directions, statement of teaching experience and interests, copies of up to three publications, and names and full contact information of three references by January 16, 2012 to: Plant Physiological Ecologist Search Committee, c/o Judy Van Andel, 310 Lewis Hall, Montana State University, Bozeman, MT 59717, telephone: 406-994-4548, fax: 406-994-3190, e-mail: jvandan@montana.edu.

TENURE-TRACK ASSISTANT PROFESSOR in Herpetology
The Department of Biology, University of Wisconsin-Stevens Point, has a tenure-track, nine-month faculty position in Herpetology beginning August 2012. Teaching assignment includes courses in Herpetology, Evolution, Introductory biology, and senior seminar. Research with undergraduates, department service, and student advising are expected. Ph.D. with emphasis in appropriate area required for tenure. Teaching and research experience are required. Experience may include grants, publications, evidence of teaching excellence, and postdoctoral experience. We seek applicants from underrepresented groups.

Include curriculum vitae, statements of teaching philosophy and research interests, three letters of recommendation, and undergraduate and graduate transcripts. Send application materials to: C. C. Yahiya, Chair, Biology Department, University of Wisconsin-Stevens Point; Stevens Point, WI 54481. Review begins 22 December 2011 and continues until filled. For more information, telephone: 715-346-2455, fax: 715-346-5600, e-mail: ccyahiya@uwsp.edu.

A POSTDOCTORAL position is available to study Nrf2 and INrf2 (Keap1) Signaling in Oxidative Stress, Cell Survival, and Cancer. This involves studying tyrosine kinases that regulate Nrf2 and INrf2, protein-protein interaction, protein degradation, apoptosis, cell proliferation, and knockout/ transgenic mouse disease models. Experience in biochemical and molecular biology techniques is essential. Applicants should submit curriculum vitae and e-mail addresses of three references. Contact: Anil Jaiswal, Ph.D. Professor, Department of Pharmacology, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201 or e-mail: ajaiswal@som.umaryland.edu.