LIBER ERO CHAIR IN COASTAL STUDIES
Simon Fraser University

The Faculty of Science and the Faculty of Environment at Simon Fraser University invite applications for the first Liber Ero Chair in Coastal Studies. We are seeking an outstanding scientist with an established international reputation, or an exceptionally promising junior scientist, in an area of environmental research complementary to those of an already outstanding group of researchers (Tom Buell British Columbia Leaders Chair in Salmons, Constanza Birdsall Chair for Coastal Studies, Centre for Natural Hazards Research, Centre for Wildlife Ecology, School of Resource and Environmental Management). Potential research areas include, but are not limited to, marine and estuarine ecology, fisheries management, coastal management, ecosystem-based management, and marine biodiversity conservation. It is anticipated that the Chair will be appointed in one of the science departments or in the newly created Faculty of the Environment. The rank of the appointment will depend on the experience of the successful candidate. Income from the substantial Liber Ero Endowment will provide a significant annual research budget for the Chair. The Chair will be expected to mount a strong and highly visible research program, to contribute to our undergraduate and graduate teaching programs, and to collaborate with the Centre for Coastal Studies on outreach activities.

Research on environmental issues is a very high priority for Simon Fraser University and the Province of British Columbia, which recently created the Pacific Institute for Climate Solutions that engages the four universities. Potential research areas are particularly welcomed in areas of importance for Simon Fraser University and the Province. Applicants should send curriculum vitae, a concise research proposal, and a list of at least three individuals willing to act as references to:

Dr. Michael Pilschke
Dean of Science
Simon Fraser University
8888 University Drive
Burnaby, BC, Canada V5A 1S6
E-mail: sdecan@sfu.ca

This competition will remain open until the position is filled. Screening of applications will commence on March 1, 2010.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority. Simon Fraser University is committed to an employment program that includes special measures to achieve diversity among its faculty and staff. We therefore particularly encourage applications from qualified women, aboriginal Canadians, persons with disabilities, and members of visible minorities.

ASSISTANT/ASSOCIATE PROFESSOR in Pharmaceutical Sciences
Northeastern University

Applications are invited for two tenure-track or tenured faculty positions in medicinal chemistry and drug discovery, and in pharmaceutics and drug delivery. Successful candidates are expected to establish extramurally funded research aimed at advancing research in any area of medicinal chemistry and drug discovery. Priority will be given to those with demonstrable research records with a track record of publication and high-quality research proposals. Applicants should have a Ph.D., M.D., or equivalent degree with experience in immunology and/or cellular/molecular biology and use genetic or pharmacological tools to address the role of inflammation or autoimmunity in the broad area of ocular biology and disease. A history of significant grant funding and experience leading a research team is required. In addition to running a successful research team, the selected candidate will take the lead in the hiring and mentoring of junior faculty in inflammation research involving ocular biology. Also, opportunities exist to collaborate with researchers from NIH Center for Inflammatory and Autoimmune Diseases (http://ccs.nia.nih.gov) located at the University of South Carolina School of Medicine (http://www.med.sc.edu/). Inquiries and nominations should be sent electronically to Prakash Nagarkatti, Ph.D., Associate Director for Basic Science, e-mail: pnagarkatti@uscmed.sc.edu. Applications with curriculum vitae, a brief statement of research interests, and names of four references should be sent electronically to e-mail: vision@uscmed.sc.edu. The University of South Carolina is an affirmative action/equal opportunity employer. Minority women and persons with disabilities are especially encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation, or veteran status.

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Contact the Admissions Office, telephone: 800-824-5526 at The New England College of Optometry, 424 Beacon Street, Boston, MA 02115. Additional information at website: http://www.neco.edu. Email: admissions@neco.edu.
DENMARK
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LEADING THE WAY
IN TRANSLATIONAL MEDICINE
WEBINAR

Translational medicine is a field that continues to grow rapidly. Encouraging, supporting, and developing basic translational research and its therapeutic application is essential to building a strong foundation in science. This webinar will focus on what Denmark is doing to advance research, strengthen ties between academia and industry, and provide a fertile environment for innovation. Discussion will cover government initiatives (Danish and EU) to support translational medicine, as well as the infrastructure put in place within Denmark to support and nurture domestic and foreign investment in this research.

February 10, 2010
5 pm CET, 4 pm GMT, 11 am EST, 8 am PST

During this webinar our panelists will:
- Discuss the importance of translational research and its impact on scientific discovery and drug development within Denmark.
- Outline government and other programs that encourage partnerships between academic institutions and industry.
- Talk about the potential advantages for companies of relocation to Denmark to carry out translational research–related work.
- Answer your questions live.

If you are looking to move your business operations to Denmark or to invest in Denmark, then make sure you participate in this live webinar!

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Participating Experts:
Prof. Lars Arendt-Nielsen
Aalborg University
Aalborg, Denmark

Prof. Liselotte Hejgaard
Rigshospitalet
Copenhagen, Denmark

Dr. Neils Porksen
Eli Lilly & Company
Indianapolis, IN

Brought to you by the AAAS/Science Business Office

Webinar sponsored by Invest in Denmark
DENMARK:
MAKING GLOBAL CONNECTIONS

Denmark’s Øresund bridge—connecting Copenhagen to southern Sweden—symbolizes the country’s strengths in connecting basic and applied research, and academic and corporate interests. “Denmark has a well-educated population, a number of leading life science companies, and an international research environment,” says Prime Minister Lars Løkke Rasmussen. Minister of Economic and Business Affairs, Lene Espersen, adds that Denmark encourages scientific entrepreneurship with “a skilled and flexible labor force, and government policy that nurtures new and emerging technologies and innovative companies.” Both ministers say green technology is especially encouraged. According to the prime minister, “We have pursued an ambitious environmental and climate policy. This gives us an advantage now that these issues are getting global attention.”

By Chris Tachibana

Connecting Bench and Bedside, Academics and Industry

Denmark has a long history of bringing basic research results to the marketplace. “We have a more than century-old tradition of generating successful pharmaceutical companies and conducting clinical trials, and a decade of experience in creating biotechnology companies,” says Ole Frijs-Madsen, Director of Invest in Denmark (IDK). In the 1920s, in an early example of translational research, scientists and physicians partnered with the companies that became Novo Nordisk and LEO Pharma to develop insulin for clinical use. Mads Krogsgaard Thomsen, chief science officer of Novo Nordisk, says, “Denmark has traditionally been very strong in biomedical research. Some of the most cited clinical research in diabetes and metabolic disease comes from this part of the world.” Liselotte Højgaard, professor in medicine and technology, University of Copenhagen agrees. “We have done translational research for a long time, we’ve just called it something else.” Clinical studies are facilitated by “a strong emphasis on taking basic research results into patient studies,” says Højgaard. “The population in Denmark knows that medical research improves patient treatment.”

Based on these strengths, the Danish government launched a globalization strategy in 2006, outlined in the Science feature, “Denmark—Building on Tradition” (dx.doi.org/10.1126/science.opms.r060008). That strategy aimed to increase funding for research and development to 3 percent of gross domestic product, with 1 percent from public sources. Prime Minister Løkke Rasmussen says the public expenditure goal will be met. “It is important to maintain focus, despite the global recession.” According to IDK Director Frijs-Madsen, of the $1.8 billion allocated for the 2010-2012 globalization funds, $1.4 billion is for advancing science and innovation. The strategy also planned to double the number of Ph.D. scholarships, and this appears to be on target. At Aarhus University, in Denmark’s second largest city, Erik Meineche Schmidt, dean of natural sciences, says, “We have seen a major increase over the last three or four years in the number of Ph.D. students. We used to accept maybe 80 a year. Last year we admitted 130.” About one-third are foreign students, many recruited from Eastern Europe. continued »

“The number of foreigners coming to work here has almost tripled since 2001, and the number of international students has doubled. This is a very positive development.”

UPCOMING FEATURES

Diversity 1: Women in Science—February 12
Postdoc 1: Life Beyond the Bench—March 5
Faculty 1: Lab Management—March 12
Denmark encourages scientific entrepreneurship with “a skilled and flexible labor force, and government policy that nurtures new and emerging technologies and innovative companies.”

— Lene Espersen

Corporate-Clinical-Academic Partnerships
For students and scientists seeking training in both academia and industry, Denmark offers excellent opportunities. The Danish Technical University, whose main campus is in Lyngby, north of Copenhagen, specializes in applied research and industry collaboration, covering areas from robotics to food science. A prime example of academic-corporate collaborations is the industrial Ph.D. scholarship, each of which is co-funded by the government and a company, and includes a mandatory business course. Students are trained in the “commercial aspects of research and development,” and create personal networks between companies and universities. In 2008, 119 industrial Ph.D. scholarships were granted, up from 50 in 2002, the first year of the program. Most are in biomedicine, engineering, and technology, but fields like agriculture and fisheries are also funded.

The biotechnology company Exiqon has hosted several industrial Ph.D. students, and all now have industry careers. According to CEO Lars Kongsbak, the students “learn the importance of delivering a product of value to customers, which you need to know to start a business.” They also gain communication experience. “An industry Ph.D. student sees the value of communicating, not only in academic papers and posters at scientific meetings, but also in sales brochures and public presentations.”

Another program that encourages academic-corporate collaborations is the Innovation Consortia program, started by the Danish government in 2007. A successful example is CureND, a consortium focused on finding drugs and diagnostics for Parkinson’s disease. It includes academic labs at Aarhus and Aalborg universities, and several companies, including Wyeth (now part of Pfizer). IDK’s Frijs-Madsen calls CureND “a targeted and innovative discovery research program, and an excellent public-private collaboration model.” Daniel Otzen is CureND’s director, and says the program works because “companies don’t want to just bankroll academic research but want genuine partnerships.” At CureND, “each partner has well-defined tasks. My lab was able to take the time to find the best conditions for a high throughput screen that was subsequently turned into a genuine screening assay by Wyeth.”

Otzen exemplifies the easy flow between industry and academia. Between his Ph.D. and his postdoc in Lund, Sweden, he worked as a staff scientist at Novozymes, and says his work there became a major focus of his basic research at Aarhus University. “A stint in industry is great—I would strongly encourage it for everybody. It opens your mind for other working environments, and makes it easier to subsequently engage in transparent and mutually beneficial private-public collaborations.” This attitude has spurred biotechnology in Medicon Valley, as the network of biomedical research interests in Denmark and southern Sweden is known. In 2008, Ernst and Young ranked Denmark first out of 15 European countries in pipeline growth, with a 23 percent increase from 2006 to 2007 in the number of drug candidates in development.

Industry partnerships thrive at the Center for Sensory-Motor Interaction at Aalborg University in northern Denmark, a global leader in pain research. With a Center of Excellence grant from the Danish Research Foundation 15 years ago, Director Lars Arendt-Nielsen implemented a philosophy of “keeping key senior scientists as free as possible from administrative duties, so they can spend their energy on research projects.” Funding has increasingly focused on industrial partnerships, he says, so “over the last five years we have entered into more and more collaborations with industry,” and they now work with approximately 15 pharmaceutical companies.

Despite his success with industry partnerships, Arendt-Nielsen advises balance in research funding. “Without funding for basic science, we do not have new fundamental knowledge to move into applied research projects. Basic science and applied science must go hand in hand.” Aarhus University’s Otzen also warns about “a tendency of universities to bend over backwards to show they can apply their research.”

Thomas Mandrup-Poulsen, professor in medical research methodology, University of Copenhagen, conducts both basic and clinical diabetes research at the Hagedorn Research Institute and Steno Diabetes Center. He finds “growing interest in industry to engage with universities to address basic research problems, to enhance basic knowledge of disease mechanisms.” He suggests “a way to promote basic and translational research at the same time, is to have Ph.D. or postdoctoral fellowships that require collaboration between a basic research institute, a clinical institute, and industry.”

Support from the Private Sector
Basic and applied research receive strong support from private science foundations in Denmark. In late 2009, the Lundbeck Foundation announced a grant of $6 million to establish the Lundbeck Foundation Nanomedicine Centre for Individualised Management of Tissue Damage and Regeneration, at Aarhus University. The goals are to apply expertise in biomedicine and nanotechnology to develop new methods in...
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diagnostic imaging, and tissue-specific protective and regenerative therapies. The Novo Nordisk Foundation (NNF) has been supporting research since 1926, and is a major force in Danish science. According to Director Birgitte Nauntofte, the NNF wants Denmark “to be recognized internationally as a hot spot for health science and biotech research, and to be associated

with quality, seriousness, innovation, openness, and creativity.” Nauntofte says the NNF has had an “extremely positive experience” funding large-scale initiatives, and “is likely to continue this strategy over the next couple of years.”

The NNF recently gave protein science a boost, with $113 million for the NNF Center for Protein Research (CPR), which opened in June 2009. Ulla Wewer, dean of the Faculty of Health Sciences at the University of Copenhagen, where the CPR is housed, says they are “recruiting a strong team of international scientists to do basic research, knowing this will eventually strengthen industry.” The CPR will be building up its staff to 150, and will use systems biology, high throughput protein production, and proteomics to study therapeutically relevant proteins.

Another new initiative, co-funded by the NNF and the Danish Ministry of Science, Technology and Innovation, is the Danish Biobank at the Statens Serum Institute in Copenhagen. Mads Melbye, executive vice president of the institute, says they are cataloging approximately 15 million existing blood, tissue, and DNA samples from various pathology banks, and expect 200,000 new specimens annually. Physical samples will be coordinated with the wealth of data in Danish health registries, which include “birth characteristics of all newborns, hospital and outpatient diagnoses, a registry of prescribed medications, and a registry of all childhood vaccinations since 1990, which is unique worldwide,” says Melbye. Information can be tracked through generations, for inherited diseases, or by address, for infectious disease research. Citizens can opt out, but Melbye hopes that in two and a half years, aggregated population data, without personal information, will be available electronically to researchers around the world.

Bridges Across Borders

Julio Celis, director of the Institute of Cancer Biology for the Danish Cancer Society, is also distributing research information on an international scale. He is developing a network to link cancer experts in European Union countries, explaining: “Different countries have niches of expertise, so instead of duplicating them in all countries, it’s easier to connect them, so that we are faster in getting discoveries to the patient.” The realization that “cancer is complicated, and no single institute, country, or even continent would be able to deal with it,” led to the Stockholm Declaration, a commitment to join forces signed by the directors of 18 European cancer centers. Celis says the network will encourage mobility of expertise, students, and data, and create a “single-stop shop for industry discovery programs.” The network structure, and pilot projects on disease prevention and early detection, are in the planning stages.

Other globalization efforts are less virtual, aiming to bring scientists from other countries to Denmark. Nauntofte of the NNF says, “Denmark is a small country, so we have a limited pool of research talent. We must recruit highly competent foreign researchers, and our research groups must...
The Novo Nordisk Foundation Center for Protein Research

We are now seeking excellent scientists to further strengthen our research capabilities – internationally renowned and established as well as promising younger scientists particularly in the area of protein focused disease biology. Successful candidates will establish research groups carrying out independent research of highest scientific impact and standard as well as work with us on integrated collaborative projects. Currently, the Center management team consists of Dr. Michael Sundstrøm (Managing Director), Professor Matthias Mann (Research Director, Proteomics) and Professor Søren Brunak (Research Director, Disease Systems Biology).

The successful candidates should have an excellent track record, international reputation and documented abilities. We will prioritise applicants with protein focused experience in relation to human health and disease – such as signaling pathways, metabolism, protein degradation and aggregation as well as analysis of post-translational modifications. Our goal is to establish a highly integrated research environment; thus collaborative interest is essential. In addition, your vision on how the unique environment and resources at the Center will benefit your research projects will be of particular interest to us. Successful candidates will be offered generous start-up packages and competitive salaries.

Are you interested in becoming a Group Leader or Research Director at the Center?
Please send a letter of interest, including a brief CV/biography as well as a summary of planned future research to contact@cpr.ku.dk preferably before April 1st 2010.

For additional information regarding the Center please contact michael.sundstrom@cpr.ku.dk.

For additional information and details, see www.cpr.ku.dk
The Lundbeck Foundation hereby invites applications for two advanced neuroscience grants which will be awarded to excellent researchers with documented experience as independent leaders of high-quality neuroscience research groups at universities or university hospitals.

The grants will be awarded for five years, and each individual grant amounts to 3 million Euro.

The grants will be awarded to two internationally highly recognized principal investigators, who will further develop a strong research program within the area of neuroscience, including clinical neuroscience and psychiatry. The grants may well attract Danish or foreign researchers from abroad who wish to move to Denmark and continue their research here. Applicants should have an agreement of association or employment with a Danish university or university hospital to be hosted there for the grant period.

The applicants will be asked to account for a research plan (max 10 pages), collaborators, budget (may include applicant’s own salary), and a letter of intent from the Director/Chair of the Department/Research Centre where the work will take place. In addition, the following should be provided: a curriculum vitae with a summary of previous achievements, including documentation for the applicant’s experience as a research leader, and a list of publications. Finally the applicant should ensure that 3 letters of recommendation are forwarded as pdf-files to the Lundbeck Foundation.

The application, written in English, can only be submitted via the Foundation’s Electronic Application System for Grants of Excellence at www.lundbeckfonden.dk, and should be sent no later than 28-04-2010.

For further information, please contact Lundbeck Foundation Director of Research Anne-Marie Engel at tel. (+45) 39 12 80 17 or mail@lundbeckfonden.dk

The Lundbeck Foundation is a commercial foundation with considerable shareholdings in the two listed companies H. Lundbeck A/S and ALK-Abelló A/S. Yields from the Foundation’s capital are used, among other things, to support scientific research primarily within the health sciences but also the biologically oriented natural sciences as well as physics and chemistry. The Foundation distributes approx. 330 million DKK (approx. 44 mio. Euro) annually.
Full Professorships
at the Faculties of Engineering, Science and Medicine, Aalborg University, Denmark

The Faculties of Engineering, Science and Medicine have decided to invest in strengthening their research programs in basic research within selected disciplines, where new ground breaking results could have potentials for being of vital importance for new, smarter and sustainable solutions to globally important problems.

The Aalborg University research environment of today builds on a combination of innovative disciplinary insight and cross disciplinary research interactions. It is enriched and inspired by close networking relations to modern knowledge intensive enterprises and nurse entrepreneurship among the graduate students and the junior research staff.

The purpose of the new professorships is to strengthen the “new type” of university research environment, where basic research interacts closely with solution focused research. The aim is to create breeding ground for shorter time from conceptual breakthroughs to societal and business impact; and at the same time to grow the faculty with even more international level role models for the young researchers. Mutual inspiration comes as an added benefit for the scientists involved as well as the students and the partners.

The positions (position no. 60030) are a part of the Danish Globalisation Programme and are open for appointment beginning June 1st 2010 or soon thereafter for a period of 3-5 years and will be filled in one or more of the following research areas:

ICT Energy Solutions
Physics of Nanomaterials
Energy Storage Technologies
Translational Pain Research
Neurobiology and Motor Learning.

In order to apply for this position, all applicants must read the complete job notice at: http://stillinger.aau.dk/.

Enquiries may be addressed to: Dean, Professor Frede Blaabjerg, by e-mail: fbl@adm.aau.dk or mobile: +45 2129 2454.

Deadline for applications is: April 1st 2010.

The mission of Aalborg University (AAU) is to ensure high quality in research and higher education within the fields of Engineering, Natural Sciences, Medicine and Social and Human Sciences. Leading the way in pedagogical teaching, Aalborg University uses Problem Based Learning (PBL): a unique teaching model close to optimal for the learning process. With an annual budget around DKK 2 billion, more than 13,000 students, 600 Ph.D. students, more than 2,000 employees and strong ties to industry and business life, Aalborg University has established its position as a considerable force within higher research and education both nationally and internationally.

POSITIONS WITHIN BIOINFORMATICS AND SYSTEMS BIOLOGY

Center for Biological Sequence Analysis

Applications are invited for the following positions:

4 PhD/postdocs within metagenomics
4 PhD/postdocs within disease systems biology and functional human variation
1 PhD position within immunological bioinformatics
1 research assistant/postdoc within gene expression bioinformatics
1 PhD/postdoc within non-coding RNA systems biology
1 postdoc within molecular epidemiology
1 scientific programmer within molecular epidemiology

The full description of the positions can be found at www.dtu.dk/vacancy. Contact information for each position can also be found here. Other questions can be directed to center administrator Dorthe Kjærsgaard, tel.: +45 45 25 24 80, email: dorthek@cbs.dtu.dk, website: www.cbs.dtu.dk

Application deadline: 1 March 2010

The Center for Biological Sequence Analysis at DTU was formed in 1993, and conducts basic research in the fields of bioinformatics and systems biology. The center is divided into ten specialist research groups, has a highly multi-disciplinary profile (biologists, biochemists, MDs, physicists, statisticians, and computer scientists) with a ratio of 2:1 of bio-to-nonbio backgrounds. CBS represents one of the large bioinformatics groups in academia in Europe.

Further details: dtu.dk/vacancy

DTU is a leading technical university in Europe. Our total staff of 4,500 is dedicated to create value and to promote welfare for the benefit of society through science and technology, and our 4,500 students and the 6,000 students are being trained to address the technological challenges of the future. While safeguarding academic freedom and scientific independence we collaborate with business, industry, government, public agencies as well as other universities around the world.
develop international collaborations.” Krogsgaard Thomsen of Novo Nordisk agrees, adding, “to be a little bit multicultural, a little bit diverse in your way of thinking, can only help creativity.” Aalborg University’s Arendt-Nielsen has always recruited from a global pool. “I founded my group 25 years ago with the policy from day one: interdisciplinarity and internationalization.” Half of his 80 researchers and 75 Ph.D. students are from outside the country.

According to Prime Minister Løkke Rasmussen, “It is important to attract scientists and specialists from other countries. We have made it easier in recent years to come to Denmark to work or study. The number of foreigners coming to work here has almost tripled since 2001, and the number of international students has doubled. This is a very positive development and a clear indication that Denmark is an attractive place to pursue a career.”

“We have a more than century-old tradition of generating successful pharmaceutical companies and conducting clinical trials.”
— Ole Frijs-Madsen

Danish Strengths and Challenges

As Denmark looks to the future, several challenges must be met. Knowledge of English is widespread, and English is the official language of the Center for Sensory-Motor Interaction, and the corporate language of Novo Nordisk. However, the default language for many classes and meetings is Danish. Højgaard of the University of Copenhagen says, “When we train people to be bioengineers or doctors in Danish, it’s because, well, we’re Danish. But that’s an obstacle to having a truly international system. We have to acknowledge that English is the language of science, and develop a more bilingual system.”

Making improvements in postdoctoral training is another challenge. Danish students complete Master’s and Ph.D. projects in different laboratories, and their Ph.D. training includes a period abroad, but professorships do not require postdoctoral experience. Aarhus University’s Otzen says, “The idea here is that when you have a Ph.D, you are a fully fledged scientist. But it doesn’t matter if you’re going into academics or industry, you need to have a postdoc period,” which he compares to adolescence, “where you mature and find your feet.” Aalborg’s Arendt-Nielsen adds, “Over the last 10 years, a lot of money has gone into collaborative Ph.D. projects between universities and industry. It is time for Denmark to also focus on postdoctoral education.” Mandrup-Poulsen of the University of Copenhagen advocates mandatory postdoctoral training to qualify for an assistant professorship. He also expresses “concerns about the mismatch between the number of postdoctoral positions relative to the pressure to educate ever more Ph.D.s,” and suggests transferring funds from Ph.D. programs to postdoctoral grants.

Inge Mærkedahl, director of the government’s Agency for Science, Technology and Innovation, recognizes that “increasing the enrollment of Ph.D. students also increases the need to fund more postdoctoral fellowships.” She said that in addition to annual postdoctoral funds from the Danish Council for Independent Research (DFF), a new source of support is the Sapere Aude program. “This comprehensive career program is being launched in 2010 by the DFF, with total funding of approximately $72 million,” explains Linn Hoff Jensen, head of section at DFF. “In the first year, it expects to fund 45 postdocs and a minimum of 27 associate professors.” The program hopes “to enhance the international opportunities for excellent and experienced researchers, both male and female, creating role models to inspire younger researchers.”

One of Denmark’s strengths is its attractive work environment. Meineche Schmidt of Aarhus University says, “The Danish labor market is known for high employment security and flexibility,” with good government support during job transitions. “People are reasonably well paid, although the cost of living is also high.” The small size of Denmark, with 5.5 million people, is an advantage for networking. Krogsgaard Thomsen of Novo Nordisk says, “People may find it awkward to move here from a big country like the United States, but once they settle down they tend to like it.”

Denmark continues to be a leader in “epidemiology, clinical research, and basic research directed at understanding disease mechanisms,” according to Mandrup-Poulsen. Celis of the Danish Cancer Society adds, “The environment is especially good for translational research because of the high standards in clinics. And patients like to participate in clinical trials.” Another advantage to working in Denmark is 5-6 weeks of paid vacation, although Celis says, “Most of our scientists don’t take all the holidays!”

Danish institutions have a flat power structure, stemming from the Jante Law, a social principle that says no one is better than anyone else. The University of Copenhagen’s Højgaard says, “There is a straightforward, old Viking attitude that knowledge and competence count more than rank and title.” Aalborg University’s Arendt-Nielsen agrees, saying, “The only thing that counts is your scientific merits.” Combining the Jante Law with a natural pride in Denmark’s strengths, Højgaard states, “It’s difficult to brag about your own country, but we are doing well in research in Denmark.”

Chris Tachibana is a science writer based in Seattle, USA, and Copenhagen, Denmark. DOI: 10.1126/science.opms.r1000083
The Office of the Director (OD), National Institutes of Health (NIH) in Bethesda, Maryland, is seeking a Director of the newly created Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI). Exceptional candidates with the scientific vision to identify innovative, high impact science and the ability to integrate research across traditional disciplines are encouraged to apply.

The DPCPSI Director will serve as a Deputy Director of the NIH and report to the NIH Director. The primary responsibilities of the Division are to (1) develop innovative, high-risk high-reward initiatives that will have national and international impact, supported by the NIH Common Fund; (2) advise the NIH Director on issues involving trans-NIH planning, analysis, implementation, performance assessment, and evaluation activities; (3) develop and conduct scientific analyses relevant to NIH research portfolio analysis; and (4) coordinate the activities of the DPCPSI Program Offices (Office of AIDS Research; Office of Research on Women's Health; Office of Behavioral and Social Sciences Research; Office of Disease Prevention; and Office of Strategic Coordination) to maximize their collective impact and to ensure that their efforts are aligned with the mission of NIH.

Salary is commensurate with experience; a full package of benefits (including retirement, health, life, long term care insurance, Thrift Savings Plan participation, etc.) is available.

A Search Committee chaired by Drs. Katherine Hudson and Lawrence Tabak will review applications for this position. A detailed vacancy announcement that includes mandatory qualifications requirements, and application procedures may be obtained at NIH’s Executive Jobs site: http://www.jobs.nih.gov/vacancies/executive.htm, or by calling Regina Reiter at (301) 402-1130. Interested applicants must send a Curriculum Vitae, Bibliography, a Vision Statement, and responses to the qualifications requirements, electronically, to Ms. Regina Reiter, at SeniorRe@OD.NIH.GOV. If you need additional information, please contact Ms. Reiter at 301-402-1130.

Applications must be received by close of business March 8, 2010.

DHHS and NIH are Equal Opportunity Employers
2 Tenure-Track Assistant Professor Positions in Biophysics:

Biology Department - Cellular Biophysics

The University of Massachusetts Amherst invites applications for two tenure-track Assistant Professor positions to be hired as a cluster in Biophysics, to start as soon as September 1, 2010. One position will be in the Biology Department, in Cellular Biophysics; the other will be in the Physics Department, in Biological Physics. We seek individuals with outstanding research, a strong commitment to teaching, and the potential to develop and maintain an extramurally funded research program. A Ph.D. and postdoctoral experience are required. Evaluation of applications for both positions will begin on February 15, 2010 and continue until the positions are filled. Positions will be filled contingent upon University funding.

Assistant Professor of Biology. The Biology Department (www.bio.umass.edu) seeks a well-trained biologist with research techniques to study cellular or tissue function. Research areas might include, but are not limited to, the investigation of biophysical properties of excitable cells, including membrane biophysics. Electrophysiological approaches that are combined with imaging and/or genetic techniques are of particular interest. The successful candidate would have a primary appointment in the Biology Department and would interact with a growing number of biophysics research groups across campus. The UMass Amherst Biology Department provides a broad and interactive research environment, with faculty research spanning all levels of biological organization. Especially strong research clusters focus on Neural Development, Cell Biology, Plant Biology, Functional Morphology, and Evolution. Application materials should include a curriculum vitae, research plan, teaching statement and 3 letters of recommendation. Paper applications can be sent to: Biology Biophysics Search #R38398, Biology Department, Attn: Karen Nelson, 611 North Pleasant Street, University of Massachusetts, Amherst, MA 01003. Alternatively, application materials may be sent via email to Bio-BiophysicsSearch@bio.umass.edu

Assistant Professor of Physics. The Physics Department (www.physics.umass.edu) is committed to expanding its Biophysics group, which currently includes three faculty members and substantial newly renovated laboratory space and facilities. The Department also has a strong condensed matter group, with emphasis on both hard and soft matter. We seek a physicist who will employ the methods and ideas of physics to investigate biological systems and processes. The research area should complement ongoing work in the department and have synergy with biophysics research groups in the Biology, Biochemistry and Molecular Biology, and Chemistry Departments. The Physics Department currently has programs in single molecule imaging and manipulation, the dynamics of molecular motors and the cytoskeleton, membrane biophysics, and investigation of forces between biomolecules. Applicants should submit a letter of application, a CV, and a statement of research and teaching, as well as arranging to have three letters of reference sent to: Biological Physics Search, #R36692, Physics Department, 710 North Pleasant St., University of Massachusetts, Amherst, MA 01003. Alternatively, application materials may be sent via email to search@physics.umass.edu

The University is part of the Five-College Consortium (www.fivecolleges.edu) in the Pioneer Valley in western Massachusetts, two hours from Boston and three hours from New York City. The University provides an intellectual environment committed to providing academic excellence and diversity including mentoring programs for faculty. The College of Natural Sciences and the Physics and Biology Departments are committed to increasing the diversity of the faculty, student body and the curricula. We strongly encourage women and members of minority groups to apply. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

The University of Freiburg invites applications for the Research Group Programme – Call for Proposals 2010

The University of Freiburg (www.uni-freiburg.de) has been awarded for its institutional research strategy by the German Excellence Initiative. As part of this strategy, the Research Group Programme provides funding for frontier research in emerging research areas. With this programme the University of Freiburg intends to establish two new research groups in autumn 2010 and invites applications of highly qualified young investigators at postdoctoral level. Project proposals in all fields of research are eligible. Disciplines or research areas that are not yet represented at the Freiburg Institute for Advanced Studies (www.fias.uni-freiburg.de) will receive special attention. Future research should broaden and further strengthen existing research portfolios at the University of Freiburg and enhance the linkages to national and international research institutions and facilities. We are looking for young external candidates who have completed their doctoral studies with distinction and who have already demonstrated exceptional ability in research with an outstanding track record. The successful applicant is expected to build a strong junior research group and be experienced in acquiring external funding. Applications of highly qualified female researchers are particularly welcome. The group leader shall be appointed assistant professor (“W1 Juniorprofessur”) with tenure track option. A successful female candidate can be offered the Bertha-Ottenstein-Professorship, in recognition of the first woman who earned professorial lecturing qualification in Freiburg. Funding of the research group will be provided by means of the German Excellence Initiative. The initial appointment will be for four years and can be extended to six years following successful evaluation. Applications including a cover letter, research proposal with envisaged local collaborators and institutions (15 pages maximum including an executive summary), a curriculum vitae with publication record, a description of prior research and research interests, as well as details of experience and interest in outreach should be sent directly to RG2010.ForschungsGruppenProgramm@pr.uni-freiburg.de. Applicants should also arrange for two or three references sent to the same address. Informal enquiries relating to this post may be directed to Dr. Frank Krüger, Science Support Centre (info. ForschungsGruppenProgramm@pr.uni-freiburg.de).

Closing date for applications and references is 28 February 2010. Interviews will be held over 1 and 2 June 2010. Further information will be available at http://www.uni-freiburg.de/universitaet-en/exzellenz/exzellenzinitiative-en/
Draper Laboratory, a nonprofit engineering research and development organization headquartered in Cambridge, MA has established a Bioengineering Center on the University of South Florida campus in Tampa, Florida. Draper is looking for innovative, self motivated R&D professionals with a passion for collaborative, multidisciplinary development of advanced medical and lifesciences. We are currently applying our signature technologies in MEMS, microelectronics, and data analysis to solve medical and biological problems for military and civilian customers. Working with our partners in this promising environment, Draper is helping to establish and advance the bioengineering and life sciences in Florida while contributing to advances in healthcare.

Exciting opportunities in our Bioengineering Center:
Principal Investigator - Optical/Imaging  Job ID# 2683
Principal Investigator - Medical Device  Job ID# 2681

If interested in these opportunities, please go to http://www.draper.com/careers/overview.html. Enter in the appropriate Job ID # to apply. Applicants should be U.S. citizens or permanent residents. EEO/AA Employer

Medicines for Malaria Venture (MMV)
8th CALL FOR LETTERS OF INTEREST

Medicines for Malaria Venture is a not-for-profit Organization committed to the discovery, development and delivery of affordable anti-malarial drugs through public-private partnerships. We are looking towards the next generation of molecules which will power the agenda for the eradication of Malaria.

Three areas are highlighted:
(a) The development of new medicines to produce a radical cure by targeting the hypnozoite stages of *Plasmodium vivax*, (b) New medicines that in addition to working on the erythrocyte stages will also have activity against gametocytes therefore playing a role in transmission blocking and (c) The development of new Combination Therapies for uncomplicated malaria not involving Artemisinin or endoperoxides.

Discovery projects will be considered assuming they have reached the early Lead stage. (Compounds with an EC50<100nM in the infected *Plasmodium falciparum* erythrocyte assay, selectivity to a mammalian cell line and demonstrated oral bioavailability and in vivo oral efficacy in a rodent malaria model). We are particularly interested in molecules with predicted long half-lives in humans, or with effects on transmission blocking, or molecules targeting the hypnozoite forms of *Plasmodium vivax*.

Projects in clinical development are especially welcome. Medicines or new combinations with potential for development of new combination therapies, or target radical cure of *Plasmodium vivax* or transmission blocking are encouraged. Formulation developments that decrease the treatment period of Primaquine, or increases safety in G6PD deficient patients are a key priority. Applications may be from single institutions or partnerships between academic centers and pharmaceutical companies.

The initial application should be by sending a letter of interest on the specified template of no more than three pages electronically to

Dr. Ian Bathurst
E-mail: proposals@mmv.org

Applications should reach MMV by March 16th 2010.

More details of the call can be found at www.mmv.org
Grant opportunities for Russian scientists living abroad

The Federal Agency of Science and Innovation of Russia is inviting members of the Russian scientific diaspora to participate in Federal Program “Human capital for science and education in innovative Russia”. Russian scientists living abroad and willing to direct research projects of resident Russian scientific groups are invited to take part in a grant competition for the 2010-2011 round of the Program.

For more information, please consult the Agency site http://fcpk.ru.

Questions regarding the Program can be directed to Dr. Dmitry Bugreev at: dbugreev@inkk.ru, +7-495-951-79-10.

Professor or Assistant Professor (Tenure Track) of Observational/Experimental Astrophysics

The Institute for Astronomy at ETH Zurich (www.phys.ethz.ch) invites applications for a professorship in Observational/Experimental Astrophysics. The new professor is expected to develop an outstanding research program in observational or experimental astrophysics, which may include the leadership of observational programs on major facilities, the development of advanced instrumentation, or the phenomenological modeling of data. The primary criterion is either demonstrated or potential excellence in research and teaching, rather than a particular scientific field. The Chair comes with sufficient resources to establish a significant research group. Teaching responsibilities include courses in introductory physics and more advanced courses in astrophysics. The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English). The appointment will be at a level commensurate with experience.

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Please submit your application together with a curriculum vitae and a list of publications and a brief statement of present and future research interests to the President of ETH Zurich, Prof. Dr. Ralph Eichler, ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland (or via e-mail to faculty-recruiting@sl.ethz.ch), no later than April 30, 2010. With a view toward increasing the number of female professors, ETH Zurich specifically encourages qualified female candidates to apply.

University Lecturer in Conservation Biology

Mathematical, Physical and Life Sciences Division
Department of Zoology in association with Somerville College

The Department of Zoology proposes to appoint a University Lecturer in Conservation Biology with effect from 1 September 2010 or as soon as possible thereafter. The successful candidate will be offered a Tutorial Fellowship by Somerville College, under arrangements described in the further particulars. The combined University and College salary will be on a scale up to £56,917 per annum. The College will provide an additional housing allowance of £7,100 per annum.

The successful candidate will have a strong background in conservation biology, including a doctorate (PhD or equivalent) in a cognate area. Duties of the post are to lead a research programme and research group in conservation biology; to give undergraduate lectures and tutorials; and to carry out examining and administrative duties in the Department and the College.

Informal enquiries can be sent to paul.harvey@zoo.ox.ac.uk

Further particulars can be downloaded from http://www.zoo.ox.ac.uk/jobs or are available from the Personnel Office, Department of Zoology, South Parks Road, Oxford OX1 3PS, telephone: 01865 271190, e-mail: recruit@zoo.ox.ac.uk Applications, together with a CV and contact details of three referees, should be sent to the above address quoting reference number AT09043. The closing date for receipt of applications is 15 February 2010.
C V Starr Foundation Fellowships in Neuroscience

The Princeton Neuroscience Institute (PNI) at Princeton University is looking to fill one or two CV Starr Fellowships in Neuroscience. PNI is a newly formed unit at Princeton that focuses on interdisciplinary research in neuroscience, spanning from molecular, cellular and genetic approaches to systems and human cognitive neuroscience. PNI houses state of the art facilities for experimental research in all of these areas, as well as advanced computational resources that support its emphasis on theoretical and quantitative approaches to neuroscience.

PNI aims to recruit and support one or two exceptional individuals who are expecting or have recently obtained a PhD degree in neuroscience or areas relevant to neuroscience (molecular biology, psychology, computer science, engineering, physics, or mathematics).

The program provides a generous salary and an annual research budget. Fellows are not expected to apply for outside funding. Independent research is typically carried out under the mentorship of one or more core faculty members in the Institute, although those who wish to pursue a specific independent research program will also be considered.

For more information about the Institute, see http://www.princeton.edu/neuroscience/

Applications should be submitted online at http://jobs.princeton.edu under Req #0900612. Candidates must submit a CV, a list of publications, a statement of research interests and goals, and the contact information for three references. References will be contacted directly. Finalists will be invited to Princeton to present a talk concerning their current research.

Princeton University is an Equal Opportunity Employer and complies with applicable EEO and Affirmative Action regulations. For general application information and how to self identify, see http://www.princeton.edu/dof/ApplicantsInfo.htm.

Director, Climate and Environmental Sciences Division, Office of Biological and Environmental Research, Office of Science, U.S. Department of Energy

The U.S. Department of Energy, Office of Science, Office of Biological and Environmental Research (BER), is seeking a Director of the Climate and Environmental Sciences Division. BER advances world-class biological, climatic, and environmental research programs and scientific facilities for DOE mission needs in energy, environment, and basic research. The Climate and Environmental Sciences Division supports a broad research portfolio in multidisciplinary and interdisciplinary science including atmospheric systems research, environmental system science, and climate and Earth system modeling. The Division Director also supports two state-of-the-art scientific user facilities: the Atmospheric Radiation Measurement Climate Research Facility and the Environmental Molecular Sciences Laboratory. The Director leads a group of 15 program managers and support staff with a budget of over $250 million. The Director is involved in strategic planning, multi-year program planning and implementation, and budgeting. The position is within the Senior Executive Service, with a salary range of $117,787 to $177,000.

The job announcement, which closes February 23, 2010, is advertised as either a biologist or a physical scientist. For further information about this position and the instructions on how to apply and submit an application, please go to the following url:

http://jobview.usajobs.gov/GetJob.aspx?JobID=85147660&JobTitle=Director%2c+Climate+and+Environmental+Sciences+Division+&Job&Req=09-SES-SC-HQ-001+(eg)&sort=+v%2c+dtex+&a=&rad+&units=miiles&brd=3876&pp=50&jb+&bf=14&Fed&=N+&FedPub=Y+&call=ses+aspx+AVSDM=2009-12-16+00%3a03%3a00

Physical Scientists and Engineers should apply at the following url:

http://jobview.usajobs.gov/GetJob.aspx?JobID=85147676&JobTitle=Director%2c+Climate+and+Environmental+Sciences+Division+&Job&Req=09-SES-SC-HQ-002+(eg)&sort=+v%2c+dtex+&a=&rad+&units=miiles&brd=3876&pp=50&jb+&bf=14&Fed&=N+&FedPub=Y+&call=ses+aspx+AVSDM=2009-12-16+00%3a03%3a00

Biologists and Ecologists should apply at the following url:

http://jobview.usajobs.gov/GetJob.aspx?JobID=85147688&JobTitle=Director%2c+Climate+and+Environmental+Sciences+Division+&Job&Req=09-SES-SC-HQ-002+(eg)&sort=+v%2c+dtex+&a=&rad+&units=miiles&brd=3876&pp=50&jb+&bf=14&Fed&=N+&FedPub=Y+&call=ses+aspx+AVSDM=2009-12-16+00%3a03%3a00

It is imperative that you follow the instructions as stated on the announcement (09-DE-SC-HQ-065 (eg)). To be considered for this position, you must apply online.

Multiple Tenure-track/Tenured Faculty Positions

The Department of Computer Science and Engineering (CSE) and the School of Medicine (WUSM) are jointly searching for multiple tenure-track faculty members with outstanding records of research computing and a serious interest in collaborative research on problems related to biology and/or medicine. Appointments may be made wholly within CSE or jointly with the Departments of Medicine, Genetics, or Pathology and Immunology.

CSE and WUSM have a long-term strategic commitment to integrating computing and science. As part of that commitment, we expect to make synergistic hires with a combined research portfolio spanning the range from fundamental computer science/engineering to applied research focused on science or medicine. Specific areas of interest include, but are not limited to:

- Analysis of complex genetic, genomic, proteomic, and metabolomic datasets;
- Algorithms for statistical genetics including genome-wide association studies;
- Molecular systems biology and pathway/network modeling;
- Databases or data mining applied to medical records;
- Natural language processing with the potential for biomedical applications;
- Computer engineering with applications to medicine or the natural sciences;
- Wireless sensor networks with medical applications;
- Visualization with the potential for biomedical applications;
- Theory/Algorithms with the potential for biomedical applications;
- All areas of medical informatics, clinical or public-health informatics;
- All areas of computational biology and biomedical informatics

These positions will continue a successful, ongoing strategy of collaborative research between CSE and the School of Medicine, which is consistently ranked among the top 3 medical schools in the United States. CSE seeks to build on and complement its strengths in biological sequence analysis, biomedical image analysis, and biomedical applications of novel computing architectures.

Washington University is a private university with roughly 6,000 full-time undergraduates and 6,000 graduate students. It has one of the most attractive university campuses anywhere and is adjacent to one of the nation’s largest urban parks, in the heart of a vibrant metropolitan area. St. Louis is a wonderful place to live, providing access to a wealth of cultural and entertainment opportunities without the everyday hassles of the largest cities.

We anticipate appointments at the rank of Assistant Professor; however, in the case of exceptionally qualified candidates appointments at any rank may be considered. Applicants must have a Ph.D. in computer science, computer engineering, electrical engineering, biomedical engineering, computational biology, biomedical informatics, statistical genetics, or a closely related quantitative field and a record of excellence in teaching and research appropriate to the appointment level. The selected candidate is expected to build an externally-supported research program, teach and mentor students at the graduate and undergraduate levels, and foster interdisciplinary interactions with colleagues throughout the university. Candidates who would contribute to enhancing diversity at the departmental and university levels are strongly encouraged to apply. Applications from academic couples are welcomed and encouraged.

Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and names of at least three references) electronically by following the directions provided at http://cse-wusm-faculty-search.wustl.edu. Other communications may be directed to Prof. Michael Brent, Department of Computer Science and Engineering, Campus Box 1045, Washington University, One Brookings Drive, St. Louis, MO 63130-4899.

Applications submitted before January 31, 2010 will receive full consideration.

Washington University is an Equal Opportunity/Affirmative Action Employer.
EVMS Eastern Virginia Medical School

Scientific Director—Glennan Center for Geriatrics and Palliative Care

EVMS seeks applications for the position of Scientific Director of the Glennan Center for Geriatrics and Palliative Care with a faculty appointment in the Department of Internal Medicine at the level of associate professor or professor. Candidates should have an MD or PhD degree, must have demonstrated excellence in research and possess exceptional leadership qualities. The Director will have the opportunity to lead a prominent center, emphasizing excellence in research and teaching related to aspects of aging and palliative care. EVMS is undergoing a significant expansion in the areas of basic and translational research. There are significant resources available, including excellent laboratory space, an endowed professorship, and other support for the program.

The Glennan Center for Geriatrics and Palliative Care has gained national and international recognition for excellence in immunology, driving and cognition in the context of aging research. The program is ranked in the top 50 in the latest US News and World Report ranking. The Center is also a leader in clinical care, providing innovative services to meet the special health care needs of older adults across a full range of practice settings from independent living to assisted living, long-term care, palliative care, and hospital care. The Center offers a comprehensive program for clinicians and scientists that provide training in geriatrics, palliative care and gerontology for medical students, residents, fellows, other health care professionals and junior faculty members. Excellent collaboration is available with the basic science departments and affiliated Universities in the region.

Eastern Virginia Medical School is located in coastal southeastern Virginia in the nation’s 27th largest metropolitan statistical area. The region offers premier waterfront communities, large beaches, excellent golf, tennis, sailing and other recreational opportunities, and top ranked schools. Please send a letter of interest including current curriculum vitae to the Executive Search Committee by e-mail at execcomm@evms.edu. AAOE O.

SYNTHETIC BIOLOGY POSTDOCTORAL FELLOWSHIP (SBPF)

Nanyang Technological University
University of California, Berkeley

Nanyang Technological University and University of California, Berkeley are jointly offering Synthetic Biology Postdoctoral Fellowship (SBPF) to outstanding graduate research scientists at postdoctoral level to support their fulltime research efforts. SBPF provides a unique educational and research opportunity for highly qualified, doctoral scientists to advance their scholarship in synthetic biology at Nanyang Technological University and in Professor Jay Keasling’s laboratory at University of California, Berkeley. http://ichem.berkeley.edu/faculty/keasling.

Upon successful completion of the program, outstanding fellows may be considered for a tenure-track faculty position at the School of Chemical and Biomedical Engineering, Nanyang Technological University.

Synthetic biology is the engineering and manipulation of microorganisms to contain multiple genes so as to enable them to work together for the production of a desired product. Compared to synthetic chemistry, synthetic biology can potentially produce a chemical, such as a drug, much more quickly, in few steps, economically and with less toxic waste products. Synthetic biology is envisioned to be able to produce myriad compounds applicable such as drugs, biofuels, smart biomaterials, implantable continuous biosensors, and therapeutic vectors. In particular, SBPF’s research projects will focus on, but not limited to, engineering microbes to produce valuable fuels and developing foundational tools for synthetic biology.

The fellowships are tenable for up to 3 years. Successful applicants will be offered attractive remuneration packages. Airfare and additional subsistence allowance will be provided during the research attachment at University of California, Berkeley. The fellowships are awarded based on previous academic and research accomplishments.

Interested, qualified applicants are invited to fill out the application form obtainable from http://www.ntu.edu.sg/home/Career/CurrentOpenings/ResearchOpenings/Documents/ResearchForm.doc. The completed application form with detailed curriculum vitae, sample research publications, supporting documents (e.g. degree certificates and transcripts), and three references may be submitted by email to:

Professor Chi Bun Ching
Nanyang Technological University
School of Chemical and Biomedical Engineering
Block N1.2-1-1-10, 62 Nanyang Drive, Singapore 637459
Email: CBChing@ntu.edu.sg
Phone: +65-6790-6731
Fax: +65-6794-9220

www.ntu.edu.sg

Research Position at ICYS, NIMS, Japan

The International Center for Young Scientists (ICYS) of the National Institute for Materials Science (NIMS) is now seeking a few researchers. Successful applicants are expected to pursue innovative research on broad aspects of materials science using most advanced facilities in NIMS (http://www.nims.go.jp/eng/index.html).

In the ICYS, we offer a special environment that enables young scientists to work independently based on their own idea and initiatives. All management and scientific discussions will be conducted in English. An annual salary between 5.03 and 5.35 million yen (level of 2009) will be offered depending on qualification and experience. The basic contract term is two years and may be renewed to one additional year depending on the person’s performance. A research grant of 2 million yen per year will be supplied to the ICYS researcher.

All applicants must have obtained a PhD degree within the last ten years. Applicants should submit an application form, which can be downloaded from our web site, together with a resume (CV) and a list of publications. A research proposal on an interdisciplinary or integrated area related to the materials science should also be submitted. The application letter should reach the following address via e-mail or air mail by March 31, 2010. Visit our website for more details (http://www.nims.go.jp/icys/newicys/).

ICYS Administrative Office,
National Institute for Materials Science
Sengen 1-2-1, Tsukuba, Ibaraki 305-0047, Japan
E-mail: icys-recruit@nims.go.jp
Postdoctoral Fellowships Available

The Lombardi Comprehensive Cancer Center at Georgetown University, a multidisciplinary NCI-designated cancer research center, is currently recruiting postdoctoral fellows into positions funded by an NCI training grant. The goal is to develop strong basic and translational scientists with an interest in cancer research. Successful applicants will choose a mentor from an interdisciplinary group of investigators who are committed to cancer research. Research programs include:

- The role of growth factor signal pathways
- The development of hormone and drug insensitivity
- The genetic and molecular mechanisms of malignant progression
- Invasion metastasis angiogenesis
- Stem cells in cancer
- Development of novel immunological and anticancer therapies
- The etiology of cancer, biomarkers, and molecular epidemiology
- Bioinformatics and cancer


Salary is competitive and commensurate with qualifications and experience. Applicants should send curriculum vitae, a short statement of research interests and career goals, and the names and addresses of three references to Karen Shepherd at bivinsk@georgetown.edu.

Minorities and women are strongly encouraged to apply. US citizenship or permanent residency is required.
In America today, 1 in 3 individuals does not accept evolution. That’s why AAAS continues to play an important role in the effort to protect the integrity of science education. AAAS is hard at work ensuring that evolution continues to be taught in science classrooms, but we need your help. Join us. Together we can make a difference. aaas.org/plusyou/evolution

Evolution

Historically Black Colleges and Universities (HBCUs) increase the number of underrepresented ethnic minorities qualified for education and research in science, technology, engineering, and mathematics (STEM). AAAS partners with NSF to host a national gathering that highlights undergraduate student research to enhance the quality of STEM education. And this is just one of the ways that AAAS is committed to advancing science to support a healthy and prosperous world. Join us. Together we can make a difference. aaas.org/plusyou/hbcuup

AAAS is here.
In keeping with its mission to stimulate innovative international research, HFSP invites nominations for a new annual award highlighting frontier contributions in the life sciences. This award recognizes the vision of former Prime Minister Nakasone of Japan in the creation of HFSP. Typically these will be conceptual breakthroughs for investigating the complex mechanisms of living organisms which have important consequences for scientists throughout the world. Both theoretical and methodological contributions are eligible.

This is an open competition, not limited to HFSP awardees and there is no age limit for candidates. However the jury will pay particular attention to recent breakthroughs by younger scientists. Two or more investigators may be nominated jointly if the breakthrough resulted from their close collaboration. Nominations should be made before March 1st 2010 via the HFSP website using the standard one-page nomination form (download from http://bit.ly/4Oxjgz). After an initial selection by the HFSP Council of Scientists, the final decision will be made by a prestigious Award Committee (membership to be announced later on the website).

The winner of the award will receive an unrestricted research grant of 10,000 USD, a commemorative medal and will be expected to deliver a plenary lecture at the HFSP annual awardees meeting (in Kerala, India from November 1st to 3rd, 2010).

Please see our web site www.hfsp.org for further information

HFSP, 12 quai Saint-Jean, 67080 STRASBOURG Cedex, FRANCE
The award is funded by the Singapore National Research Foundation.

The STaR Investigator Award is a prestigious award, jointly offered by the Singapore Ministry of Health’s National Medical Research Council (NMRC) and the Agency for Science, Technology and Research (A*STAR), to recognise and support investigators with outstanding qualifications in translational and clinical research.

Tenable in Singapore, STaR Investigators can start a new research programme which can potentially advance Singapore’s priorities in biomedical research and healthcare, and spend up to 20% of their time engaging in direct patient care. Recipients of the award will receive 3- to 5-year salary remuneration, research support and a one-time start-up grant.

The award is funded by the Singapore National Research Foundation.

If you have the star quality that we are looking for, why not send us your research proposal.

For more information, please visit us at https://www.nmrc.gov.sg.
To meet the challenge of the competitive economy in the new millennium, private industry and government research agencies must expand the pool of technical talent. AAAS started Entry Point!, a program that offers students with disabilities competitive internship opportunities in science, engineering, mathematics, computer science, and some fields of business. And this is just one of the ways that AAAS is committed to advancing science to support a healthy and prosperous world. Join us. Together we can make a difference. aaas.org/plusyou/entrypoint
Remote, isolated, catastrophic events occur across the globe that affect civilians, the environment, indigenous rights, and more. The AAAS Science and Human Rights Program uses geospatial technologies to broaden the ability of non-governmental organizations to rapidly gather, analyze, and disseminate information in these times of crisis. And this is just one of the ways that AAAS is committed to advancing science to support a healthy and prosperous world. Join us. Together we can make a difference. aaas.org/plusyou/humanrights

AAAS is here.
The University of Florida, College of Veterinary Medicine, is seeking nominations and applications for Chair of the Department of Physiological Sciences. The Chair is the administrative officer of the Department with overall responsibilities for faculty recruitment, promotion, and personnel; budget management; and instructional activities. The Chair is expected to provide strong leadership in research, veterinary student education, graduate student education, and service. The Chair will work with the hospital board to provide high quality diagnostic clinical pathology service for the Veterinary Medical Center. The Chair is also expected to provide close liaison with the scientific community of the Health Science Center, Institute of Food and Agricultural Sciences, and the University and state of Florida at large.

The Department is responsible for teaching anatomy, physiology, pharmacology, toxicology, and clinical pathology in the veterinary curriculum. Department faculty members also teach graduate students in areas of research expertise. Current areas of Department research expertise include neuroscience, cardiopulmonary physiology, aquatic and nano toxicology, bone biology, and red cell diseases of blood.

Successful candidates will have an earned Doctorate and be qualified for appointment to the rank of FULL PROFESSOR. A strong record of research and university instruction, substantial leadership, and organizational skills and a commitment to equality of opportunity are required.

Letters of application should include curriculum vitae, names of three persons who can provide letters of reference, and a statement of career goals. Applications should be submitted by April 1, 2010. All correspondence should be directed to:

Dr. Charles Courtney, Search Committee Chair
College of Veterinary Medicine
University of Florida
Box 100125
P.O. Box 100125
Gainesville, FL 32610-0125
Telephone: 352-294-4211
E-mail: courtneyc@vetmed.ufl.edu

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

The Department of Environmental Medicine at New York University (NYU) Langone Medical Center is seeking individuals using contemporary cellular and molecular approaches with research interests in epigenetics and toxicology or environmental disease etiology such as cancer, cardiovascular and disease for a full-time, tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. The laboratories (100,000 square foot facility) are located 45 minutes northwest of Manhattan near Tuxedo, New York. Please electronically send letter of application, curriculum vitae, description of research interests and goals, and a list of three references to Dr. Max Costa, Professor and Chair, e-mail: max.costa@nyumc.org.

The Department of Pharmacology and Toxicology at the University of Mississippi Medical Center invites applications from outstanding scientists for several tenure-track positions at all academic levels, persons with research interests in cardiovascular pharmacology, diabetes and metabolic diseases, anticaancer agents, and pharmacogenomics/eugenetics. Outstanding applicants with interests in other areas of pharmacology and toxicology should be contacted. Candidates must hold Ph.D. and/or M.D. degree and have postdoctoral experience. Applicants will maintain a strong, extra-murally funded research program and participate in the Department’s teaching programs. We can offer an exceptional research environment, grant support, and modern laboratories. Competitive salaries between $35,000 and $46,000 (U.S.) are based on experience, skills, and levels of independence. Applications are due before March 5, 2010. Please send curriculum vitae, a description of research interests, and a list of three references to: Richard J. Roman, Professor and Chair, Department of Pharmacology and Toxicology, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505. E-mail: rroman@pharmacology.unmc.edu.

Equal Opportunity Employer, Minorities/Females/Persons with Disabilities/Veterans.

Two POSTDOCTORAL POSITIONS are immediately available at The University of Utah School of Medicine in Salt Lake City to study the role of stem and progenitor cell maintenance and differentiation on the pathogenesis of adult diseases linked to redox dysfunction and protein misfolding disorders (Rajasekaran, N.S. et al., Cell 130(3):427-39, 2007; Rajasekaran, N.S. et al., Physiol. Genomics 35(2):165-72, 2008). Postdoctoral candidates will be selected from major disciplines in biochemistry, cell biology, metabolomics, and genetics. Our location in Salt Lake City, Utah, combines fabulous outdoors in both winter and summer sports with an international atmosphere in our laboratory. Successful candidates will join an integrated team using systems biology of cell-based therapies to unravel the underlying mechanisms between redox biology and human protein misfolding diseases. Competitive salaries between $35,000 and $46,000 (U.S.) are based on experience, skills, and levels of independence. Applications are due before March 5, 2010. Please send curriculum vitae and two letters of recommendation and/or references to: Professor Ivo J. Benjamin, e/o Jennifer Schroff, 30 N. 1900 E., Salt Lake City, UT 84132. Or e-mail: jennifer.schroff@hsc.utah.edu.

The University of Utah is an Affirmative Action/Equal Opportunity Employer and does not discriminate based on race, national origin, religion, color, sex, sexual orientation, gender identity/expression, disability, or status as a protected veteran. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities. To inquire about the University’s nondiscrimination policy or to request disability accommodation, please contact: Director, Office of Equal Opportunity and Affirmative Action, 201 S. President Circle, Room 135, telephone: 801-581-8365.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a demonstrated commitment to improving access to higher education for historically underrepresented students.

ASSISTANT PROFESSOR Integrative Physiologist
McMaster University, Department of Biology

McMaster University, a research-intensive institution and leading centre for biological and biomedical research, invites applications for a tenure-track position in the Department of Biology, effective July 1, 2010. We are in search of an applicant with a productive research program, who studies the physiological response to stress at multiple levels (molecular, cellular, genetic, organisational, or ecosystem). We seek applications from candidates at the Assistant Professor level; however, exceptional candidates at the Associate Professor level will also be considered. The successful applicant will be expected to establish and maintain an independent and externally funded research program and contribute to the education of undergraduate and graduate students. Exceptional candidates will be considered for a Canada Research Chair award (website: http://www.chairs.gc.ca/). More information on research strengths in the Department can be obtained at website: http://www.biology.mcmaster.ca/index.html.

Applicants should submit curriculum vitae, a statement of their research goals, a statement of their teaching interests and experience, names of three references, and three of their most important publications to be sent to: Dr. Patricia G. Fraser, Professor and Chair, Department of Biology, McMaster University, 1280 Main Street West, Hamilton, Ontario L8S 4K1, Canada. E-mail: biolappl@mcmaster.edu. Electronic submission is preferred. The closing date for applications is March 15, 2010. Only selected positions will be continued.