DIRECTOR, DIVISION OF UNDERGRADUATE EDUCATION
National Science Foundation, Arlington, Virginia
NSF’s Directorate for Education and Human Resources seeks candidates for the position of Director, Division of Undergraduate Education (DUE). The Division serves as a focal point for NSF’s agencywide commitment in promoting excellence in undergraduate science, technology, engineering, and mathematics (STEM) education for all students. The Division’s annual budget is about $365 million. The Division Director oversees the Division’s nine major grant programs and a diverse scientific staff of 38 and administrative staff of 10. The Division Director also serves as a member of the senior leadership of EHR. Information about the Division’s activities may be found at website: http://www.nsf.gov/div/due/ncb/due-
Appointment to this Senior Executive Service position may be on a career basis, a one- to three-year fixed term basis, or by assignment under the Intergovernmental Personnel Act (IPA) provisions.
Announcement S20100063, with position requirements and application procedures, is posted on NSF’s homepage at website: http://www.nsf.gov/about/career_opps/. Applicants may also obtain the announcement by contacting Executive Personnel Staff; telephone: 703-292-4376; hearing impaired individuals may call TDD 703-292-3044. Applications must be received by June 24, 2010.
NSF is an Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR
Molecular Biology/Physiology/Pharmacology
The University of Missouri is accepting applications for an Assistant or Associate Professor (tenure track) in the Department of Biomedical Sciences, College of Veterinary Medicine (website: http://www.dbms.missouri.edu). Applicants with research interests and expertise in understanding cardiovascular and/or respiratory function, including neural control, or the impact of exercise in health and disease, are strongly encouraged to apply. We seek applicants applying strategies such as molecular biology, genetics, cell regulation, and electrophysiology. Outstanding candidates in related areas are also encouraged to apply. This position will add to existing excellence in cardiovascular, respiratory, and exercise science on campus. The successful candidate will be expected to develop a nationally recognized, active research program that has sustained extramural funding. We offer competitive salaries and startup packages, modern research laboratories and support facilities, and a highly interactive interface with translational research programs from in vitro cell to in vivo human studies.
Applications should include curriculum vitae, names of three references, and a letter stating professional goals emphasizing research and teaching. Requirements include Ph.D., M.D., and/or D.V.M. Applications are currently being accepted, and review will continue until the position is filled. Address correspondence to: Dr. David Kline, Search Committee Chair, Biomedical Sciences, 134 Research Park Drive, University of Missouri, Columbia, MO 65211. Electronic applications in PDF format are encouraged. Please submit to: e-mail: klinedb@missouri.edu.
The University of Missouri is an Affirmative Action/Equal Opportunity Employer and complies with the guidelines of the Americans with Disabilities Act of 1990.

POSTDOCTORAL POSITION to study mechanistic and therapy of angiogenesis and vascular permeability, with particular emphasis on neovascular eye diseases such as diabetic retinopathy. Prior background in molecular and/or cell biology would be helpful, but is not essential. Applications are requested for one position and names of three references to: Dr. Elia Duh, Johns Hopkins University School of Medicine, 400 N. Broadway, Smith 3011, Baltimore, MD 21231. E-mail: eduh@jhmi.edu. Equal Opportunity Employer.

BASIC SCIENCE FACULTY POSITION, HISTOLOGY
Mercer University School of Medicine
Savannah, GA, Campus
Mercer University School of Medicine invites applications for a full-time, tenure-track (rank open) faculty appointment in the Department of Biomedical Sciences at the new expansion campus on the site of Memorial Health University Medical Center in Savannah, Georgia. Successful candidates are expected to participate in an interdisciplinary, clinically relevant, problem-based learning curriculum for medical students. A demonstrated ability to develop an independent research program capable of attracting extramural funding is strongly desired.
Candidates must hold a doctoral degree (Ph.D., M.D., or equivalent) from an accredited university/college and must have appropriate postdoctoral experience. Applicants must have teaching experience in histology at the medical school level.
Review of applications will begin immediately and continue until position is filled. For full description and qualifications of the position and to apply, please access website: https://www.merj用户名.com. Affirmative Action/Equal Opportunity Employer/ADA.

ENDOWED PROFESSORSHIP IN CROP GENOMICS
The University of Georgia (UGA) Crop and Soil Sciences Department is seeking a distinguished faculty member with national and international accomplishments for appointment to an endowed professorship in crop genomics. The professorship includes a generous startup package, will be housed at UGA’s Center for Applied Genetic Technologies (CAGT), and will participate in the Institute of Plant Breeding, Genetics, and Genomics (website: http://www.plantbreeding.uga.edu/index.html).
The successful applicant must be a recognized authority on plant genomics with an outstanding record of sustained research productivity, extramural funding, and the promise of continued achievement commensurate with a tenured FULL PROFESSOR position. Candidates with experience in the plant biotechnology industry are encouraged to apply. The incumbent will be expected to develop an internationally recognized and externally funded program to accelerate progress in the improvement of crops of potential importance in Georgia and the Southeast, focusing primarily on legumes (e.g., soybean, peanut, alfalfa, and others). The incumbent will be expected to teach one course per year as part of the graduate program in Plant Breeding, Genetics, and Genomics.
CAGT has new state-of-the-art genomics and molecular genetics research facilities that house five faculty from various crop science disciplines and include space for biotechnology-related business development. Nominations are encouraged. Review of applications will begin on July 31, 2010. Applications should include a formal letter of application, a current curriculum vitae, transcripts from higher education institutions attended, and a list of at least four references with contact information.
Nominations and applications should be addressed to: The Crop Genomics Endowed Professorship Search Committee, Attn: Ms. Mary Lanius, 111 Riverbend Road, Center for Applied Genetic Technologies, University of Georgia, Athens, GA 30602 and sent electronically to Dr. Roger Boerma, Chair of the Search Committee, e-mail: rbboerma@uga.edu. Review of applications will continue until a suitable candidate is selected.

Effective January 1, 2008, the Board of Regents has enacted a “backdrop check” policy for new hires and names of three references to: Dr. Elia Duh, Johns Hopkins University School of Medicine, 400 N. Broadway, Smith 3011, Baltimore, MD 21231. E-mail: eduh@jhmi.edu. Equal Opportunity Employer.
ADVANCING SCIENCE IN SPAIN:
NOT SIMPLY A QUIXOTIC QUEST

The tapas of Barcelona, the Prado of Madrid, and the architecture of Sevilla are all international draws to the nation of Spain, but its scientific heritage has not always been so noteworthy. The country has not seen the scientific growth and productivity that some other European countries, such as Germany and the UK, have enjoyed. Grants have been generally small and its academic and research system has been plagued by a culture of bureaucracy, overrun by civil servants with no incentives for excellence. But times are changing in España. Since 2000, novel, regionally driven and funded initiatives have led to the establishment of new research institutes, which have fostered significant change. There is an increase in recruitment of foreign scholars, more Spanish scientists are returning from positions abroad, and there is a feeling of excitement that Spain is on its way to take a place on the world stage of science. But there is still much to do. By Alaina G. Levine

According to Christina Garmendia, Spain’s Minister for Science and Innovation, Spain has moved from 30th place to ninth in the world’s ranking of scientific powers. This rise was second fastest in the world, behind only China. With more than 36,000 annual scientific publications, Spain produces slightly over 3 percent of the world’s scientific papers, says Felipe Pétriz, secretary of state for investigation for the ministry.

This improvement is significant. A democracy only since 1978, Spain has languished on the sidelines of science for years. But the fact that there is “no long tradition in science is an advantage,” claims Erwin Wagner, director of the Cancer Cell Biology Programme at the Spanish National Cancer Research Centre (Centro Nacional de Investigaciones Oncológicas, CNIO) in Madrid. “People here are very motivated. It’s something new, and people are excited.”

A CLIMATE OF CHANGE

Motivation for building a system of research excellence is what drives Miguel Beato, who as director of the Center for Genomic Regulation, or Centre de Regulació Genòmica (CRG), an international research institute in Barcelona, is contributing to the national metamorphosis. CRG is just one example of the changes happening in the country, particularly in Catalonia.

Beato, who holds an M.D. from the University of Barcelona and a Ph.D. from the University of Göttingen, completed a postdoc at Columbia University’s Cancer Research Center. He spent 30 years at the University of Marburg in Germany and returned to Spain as the founding director of CRG in the early 2000s.

Supported by the government of Catalonia, one of 17 autonomous regions within this exceptionally decentralized country, CRG operates under a novel framework that allows for independence of center leadership, and defines clear metrics of success (number of high impact papers published, for example), to evaluate researchers. Unlike most of Spain’s universities where scientists labor in “primitive conditions,” says Beato, CRG researchers enjoy state-of-the-art laboratories and large startup packages.

Many are recruited from abroad (65 percent of its scholars are non-Spanish), and two-thirds are junior scholars. The 300 scientists at CRG are organized into 30 research groups and are evaluated by an external scientific advisory board. The institute continued »

“People here are very motivated. It’s something new, and people are excited.”
FOCUS ON SPAIN

“You can write a grant proposal in English, but you must also submit a Spanish version.”
— Sabine Hilfiker

FOCUS ON CAREERS

“The regional government of the Basque Country has spent the past 20 years implementing and fine-tuning a comprehensive science and technology policy that integrates funding and research and development programs. As a result, to some, this autonomous region is ahead of the curve in advancing science as compared to the rest of Spain. It has its own science foundation, Ikerbasque, the goal of which is to foster innovative research by attracting senior researchers to area institutes. To accomplish this, the foundation funds positions, which are tenured from the start, at local universities and nonprofit research centers. The region has a number of government-sponsored centers of excellence, with strengths in climate change and applied mathematics, for example, as well as cooperative research centers with a range of foci, including biotechnology, nanotechnology, and manufacturing technology.

Nicola G. A. Abrescia, group leader of structural biology at the Center for Cooperative Research in Biosciences (Centro de Investigación Cooperativa en Biociencias, CIC bioGUNE), is funded by Ikerbasque. “It’s very difficult to attract international scientists to this region so they offer stability,” he argues. “Here at least your salary is safe, so you can focus on the science. But it doesn’t mean that we can relax. The Basque Country is making a lot of investments in you, so there is a drive to move forward.” But Abrescia says that the area still has strides to take to realize its ambitions. “It is a region in motion. The potential is very high. In time we will become an international center of excellence.”

EL BAILE DE CIENCIA

Throughout Spain, banks play a crucial role in el baile de ciencia (the dance of science). The philanthropic divisions of firms such as La Caixa, the third largest Spanish financial group according to its website, provide fellowships of up to €100,000 for four years to Ph.D. students who conduct research at CRG. The banks were already paying for Spanish pupils to pursue their doctorates at top institutes abroad, says Beato, so this was a natural extension of existing programs. At CNIO, Wagner’s group is funded by Fundación BBVA, the corporate responsibility arm of BBVA, a 150-year-old global financial institution ranked as Spain’s second largest bank. The foundation, which has a particular focus on supporting scientific research in biomedicine, the social sciences and the environment, has pledged €2.5 million for five years to Wagner’s program.

But the Spanish National Centre for Cardiovascular Research (Centro Nacional de Investigaciones Cardiovasculares, CNIC), the hermana institute to CNIO, has a different funding model. It is supported by a unique public-private partnership, in which Spanish companies, foundations, and banks invest capital into a separate organization, the Pro CNIC Foundation. CNIC researchers benefit not only from the monetary support provided by the Foundation, but also from the industrial know-how of the corporate executives who advise it.

While CNIO and CNIC, both launched in the late 1990s, are nationallly funded enterprises, CRG, founded in 2000 and launched in 2002, is one of more than a dozen research institutes in Catalonia that was conceived and spearheaded by Andreu Mas-Colell, an economist by education who served as Minister for Universities and Research in the region from 2000 to 2003. His idea was to create a new way of stimulating scientific innovation in Spain such that it steered clear of the civil servant culture that plagued the country. “The civil servant mentality was—and still is—the main obstacle to Spanish science,” believes Beato. “There’s no recognition of good work being done.”

These institutes, which include the Catalan Institution for Research and Advanced Studies (Institució Catalana de Recerca i Estudis Avançats, ICREA), a research center “without walls,” and the Barcelona Biomedical Research Park (Parc de Recerca Biomèdica de Barcelona, PRBB), don’t offer their scholars tenure. Rather, every five years, their research merits are appraised and, if they meet the certain criteria mandated by the scientific advisory board, they can stay. Junior researchers, however, have to leave after nine years.

But the institutes are essentially pockets of scientific distinction in an apparently bleak landscape. The universities are saturated with civil servants whose focus is on teaching rather than original research. And the Spanish National Research Council (Consejo Superior de Investigaciones Científicas, CSIC) has its own challenges. Sabine Hilfiker, a Swiss scientist with CSIC, observes that while 40 percent to 50 percent of grant proposals submitted are funded, the grants themselves are picayune. The large percentage of grants funded “would be wonderful if each grant were of sufficient size,” she says, “but the [total] money allocated for research is a set amount, such that the individual grants just get smaller and smaller.” Her last grant was for €100,000 for three years. This situation significantly impedes Spain’s ability to leap forward as a global scientific contender.

There is also a language barrier issue. “You can write a grant proposal in English, but you must also submit a Spanish version,” she remarks. Grant proposals for less than €150,000
The CRG (www.crg.es) is looking for a new Scientific Director to replace its founding director, Miguel Marzo, who will complete his second five-year term by the end of 2010.

The CRG, located at the Barcelona Biomedical Research Park (PRBB, www.prbb.org), was created in 2000 following the LMBL organizational model and inaugurated in 2002. Since then the CRG has become a leading biomedical research centre with a focus on genomics, proteomics and biomedical research. Its 6 research programmes are focused on: Gene Regulation, Differentiation and Cancer, Cell and Developmental Biology, Genes and Disease, Bioinformatics and Genomics, and Systems Biology, which hosts a partnership with the EMBL. Each programme contains up to 8 independent research groups coordinated by a senior scientist.

More than 70% of the group leaders, postdocs and graduate students are foreigners, with young group leaders having time limited contracts (5 + 4 years) and senior scientists and core facility leaders having lifetime tenure. There are both International PhD and Postdoctoral programs with funding from La Caixa Foundation and FP7 Marie Curie Actions - COFUND Programme.

The CRG hosts state-of-the-art core facilities: Advanced Light Microscopy, Genomics (Genotyping, Microarrays, Ultrascreening), Proteomics, High Throughput Screening, Bioinformatics and FACS, as well as Histopathology and Protein Expression services. Researchers have access to the modern Animal House of the PRBB and to the Transgenic Mouse Facility at the CNIC in Moncloa. Based on citations per publication, the CRG has recently been rated as Spain's top research institution and 20th worldwide (SCIMAGO Institutions Ranking).

The PRBB is connected to the Hospital del Mar and regroups 4 additional institutions: the Department of Experimental and Health Sciences of the University Pompeu Fabra (CEXSUF, www.upf.edu/cexef), the Municipal Institute of Medical Research (IMIM, www.imim.es), the Centre for Research in Environmental Epidemiology (CREAL, www.creal.cat), and the Centre of Regenerative Medicine in Barcelona (CMRB, www.cmrb.eu) creating a large critical mass in biomedical research.

Candidates should be internationally recognized as leaders in biomedical research, with nationally being irrelevant. A description of the functions and duties of the CRG Director can be found at the CRG webpage (www.crg.es). The CRG Director will carry out his / her own research independently from the main research programmes and will be evaluated every 4-5 years.

The CRG will provide the following package to the Director:

- An equipped laboratory and office space for up to 15 collaborators.
- Salaries to hire two postdoctoral collaborators (with the possibility of becoming staff scientists), two technicians and two graduate students.
- An annual budget appropriate for the operation of a laboratory for 6 people and a budget to cover the use in core facilities.
- A personal assistant.

Applicants should contact the Chairman of the Scientific Advisory Board (SAD), Kai Simons (simons@mpib-cbg.de) by September 15, 2010. The CRG Board of Trustees will appoint the director for an initial period of 5 years, renewable to a maximum of 10 years after evaluation by the SAD.
to the Ministry of Health can be submitted only in Spanish. And the Ministry of Science and Innovation modified its language requirements just three years ago, at the time lifting the restriction that all proposals must be penned in both English and Spanish; today, an English version suffices.

FOREIGN BRAINS IN SPAIN

And yet, Spain is still an attractive option to nonnatives, as long as they know how to navigate the system. “I get a lot of support as a foreigner,” says Wagner, who received his Ph.D. in Austria, and conducted research in Philadelphia in the United States and Heidelberg, Germany, before joining the Research Institute of Molecular Pathology in Vienna in 1988 as a senior scientist and founding member. He and his lab relocated to CNIO in 2008. “When I arrived, the minister of science came in and greeted me,” he says. And he jokes that “they had a check waiting for me.” As a foreigner, Wagner pays a flat 25 percent personal tax for the first five years of his employment and notes that the opportunity to acquire national grants is high.

But there are some drawbacks to the Spanish system, especially for a newcomer. Celine Perier, a French postdoc at Vall d’Hebron Research Institute, was recruited to Spain from another postdoc appointment at Columbia University under the Ramon y Cajal (RyC) programme. RyC scholars receive five-year contracts to conduct research at various institutes throughout the nation.

Perier enjoys the people with whom she works, and her research group has sufficient grant money, she says. But compared to Columbia, which had a “critical mass of specialists,” Spain is remarkably smaller. Significant research collaborations, she says, have to be with people from somewhere outside of her institute or even the country.

But Vivek Malhotra, an American who spent 18 years at the University of California, San Diego and is now the Coordinator of the Cell and Developmental Biology Programme at CRG and a professor at ICREA, clarifies that when it comes to enjoying the Spanish lifestyle of science, it really is a matter of where you go. He felt “synergy” when he arrived at CRG in 2007; after all he was in a brand new building, had the opportunity to recruit people for his department, received a hefty startup package “that could easily run a lab of five to six people without seeking any external funding,” he says, and did not have to participate in many administrative duties, even as department head. “I could focus on the science,” he says. And he appreciated the model of “rolling tenure,” in which every five years researchers are evaluated. “It keeps you on your toes.”

For American and other non-Spanish scholars who desire to move to the land of “Further Beyond” (the national motto), Malhotra unsurprisingly offers the following advice: look for an institute that is well funded. “People would love to come to Barcelona—for what the city has to offer,” he speculates. “But the younger scientists are concerned that they might not have a job later,” especially since after their nine-year “tenure,” they have no guarantee of finding positions elsewhere in the country.

Yet Malhotra and others see the nontenure system as an asset to forging Spain’s technological future. “If Spain could build more institutes like CRG with the clear intent that you stay as long as you remain good in science,” people might be attracted to this, he says. continued »

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<th>FEATURED PARTICIPANTS</th>
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| Barcelona Biomedical Research Park (Parc de Recerca Biomèdica de Barcelona)  
www.prbb.org |
| La Caixa  
www.lacaixa.es |
| Catalan Institution for Research and Advanced Studies (Institució Catalana de Recerca i Estudis Avançats)  
www.icrea.cat |
| Centre for Cooperative Research in Biosciences (Centro de Investigacion Cooperava en Biociencias)  
www.cicbiogune.es |
| Centre for Genomic Regulation (Centre de Regulació Genòmica)  
pasteur.crg.es |
| European Research Council  
erc.europa.eu |
| Fundación BBVA  
www.fbbva.es/TLFU/tifu/ing/home/index.jsp |
| Ikerbasque  
www.ikerbasque.net |
| Ministry of Health  
www.msp.es/en/ |
| Ministry of Science and Innovation  
www.micinn.es |
| Spanish National Cancer Research Centre (Centro Nacional de Investigaciones Oncológicas)  
www.cno.es/ing |
| Spanish National Research Council (Consejo Superior de Investigaciones Científicas)  
www.csic.es |
BioSpain 2010 becomes more international

With the aim of fostering the dissemination of biotechnology in Spain, the Spanish Bioindustry Association (ASEBIO), the Government of Navarre and the Navarre Society of Development (SODENA) organise BioSpain 2010 (www.biospain2010.org), a biennial event gathering a wide group of experts from the national and international biotechnological sector.

On this occasion, the event will take place in Pamplona from September 29th to October 1st and will be honoured to have three lecturers of international prestige, such as Mr. Carlos Cordon-Cardo, Vice-Chair of Pathology & Professor, Columbia University; Mr. Larry Fritz, President & CEO, Covella Pharmaceuticals Inc. and Life Science Venture Partner, Westfield Capital Management Company LP, and Mr. Conny Bogentoft, CEO Karolinska Development AB.

Internationalization will be the highlight this year. Over 160 companies have already confirmed their participation in the trade exhibition area from countries such as Belgium, Canada, France, Germany, India and Spain among others. This figure represents 33% more than in the last BioSpain edition held two years ago in Granada.

BioSpain 2010 will feature an extensive program of breakout sessions addressing the most relevant topics in the current biotech scenario: Bioenergy; Orphan Drugs & Rare Diseases; Alzheimer and other neurodegenerative diseases: “What is the Spanish industry doing to develop new drugs?”; Protein Production & Biosimilars; Bioinformatics solutions for genomics: from sequences to Biotechnology and Biomedicine; Alternative Equity Market for Growth Companies; Venture Capital; Biotech’s Next Big Thing?; Joint Technology Cooperation Projects between Spain and other countries: Eureka & Camadeca; Biotech between USA and Spain (with the participation of the Office of Technology Transfer at John Hopkins University and the Research Triangle of North Carolina); Infoday FP7 and Health and Food. It is expected that BioSpain 2010 will gather more than 1,100 experts in Biotechnology.

An international round table called “Opportunities and Challenges in Global Biomarkets” has also been confirmed. Its main aim is to discuss the present state of the biotechnological industry, its development and future prospects. This discussion will be graced by the presence of Dr. Andrea Rappagliossi, President of EuropaBIO; Dr. Anna Lavelle, CEO from AUSBIOTECH and Dr. Albert Sasson, President of BioEuroLatina, among other speakers. As on previous occasions, BioSpain 2010 will also host the scientific conference organised by the Spanish Society of Biotechnology (SEBIOT), Biotec 2010. The conference will address issues related to environmental biotechnology, biocatalysis, diagnostic technologies and nanobiotechnology, among other topics.

One of the most attractive aspects in BioSpain 2010 is the so-called “partnering”, organised by EBD Group, which consists of organising a series of bilateral meetings between companies in different rooms prepared with this aim.

Furthermore, the investors’ forum, organised by Europe Unlimited, seeks to find new financing sources for future entrepreneurial projects. 30 companies will present their business plan to an audience of experts and investors.

This event has as official sponsors Caja de Navarra, The Zeltia Group, Genoma España, AB Biotics, Genetrix, Merck and ICEX.

PharmaMar

PharmaMar is a Spanish member of the Zeltia Group, a leader in the development of antitumor drugs of marine origin. With a workforce of around 300 people with a high academic profile, carried out a pioneering program in marine biotechnology led to the discovery of new drugs first in class against cancer. Its first product on the market is the first Spanish antitumoral developed by a company that receives approval from the EMA. It currently has five products in clinical development, two prominent partners (Johnson & Johnson in the U.S. and Taiho in Japan) and a powerful research and development program. Annually conducts scientific expeditions in the seas around the world to further increase its library of marine organisms, there are currently 85,000 samples, the largest in the world.

The company has more than 1,800 filed and granted patents that protect approximately 110 inventions. One-third of all patents and scientific publications on drugs of marine origin are due to PharmaMar’s R&D.

PharmaMar currently has 6 compounds in different phases of clinical development for the treatment of different tumours as soft tissue sarcoma, relapsed ovarian cancer, breast, prostate, lung, endometrial, cervical and paediatrics tumours, T-cell lymphoma, myelofibrosis and multiple myeloma.

- In 2007, we obtained approval to market a marine-based drug to treat patients with soft tissue sarcoma.

- Now we have obtained approval to use that same drug to treat ovarian cancer.

- We are a world leader in the development of marine-based drugs, and we will continue to research solutions for patients with cancer.
The civil servant mentality was—and still is—the main obstacle to Spanish science.”

—Miguel Beato

REASONS TO BE OPTIMISTIC
The global economic calamity has hit Spain hard. There is a 20 percent unemployment rate in the country, and the CSIC budget is down 14 percent for 2010.

Despite these factors, Mas-Colell, now the secretary general of the European Research Council in Brussels, envisions a promising future for Spain’s scientific scholarship.

“When one looks at it in historical perspective,” he says, “Spain is in a good position.” He offers the following evidence for success: the number of research expenditures, papers, and citations all point to a steady improvement in scientific research in Spain.

All these numbers are still low compared to more scientifically advanced European countries, he acknowledges, but cites a particular data point to support his theory. The R&D expenditure in Spain as a percentage of the gross domestic product (GDP) is currently 1.35, while 20 years ago it was 0.6. “Our Spanish levels of expenditures are nothing to write home about,” he concedes, “but the rate of growth of expenditures is.” He says that while Europe as a whole has been stagnant in its investment in scientific research, Spain is on a rise.

“The starting point was low,” says Mas-Colell, but now, “new resources have been channeled by regional and federal authorities toward new initiatives.”

He says one factor contributing to Spain’s lack of research advancement is the current economic crisis. “The Spanish R&D world should recognize that after five years of more than a 25 percent increase in annual public expenditures, we should be willing to resist one or two years of budgetary retrenchments.” Mas-Colell argues that the Spanish science system “is fragile,” and the nation cannot afford to slide backward during a period of financial cutbacks. If Spain is to prosper, “it is imperative that research policy be selective, with resources focused toward the institutions that have already shown that they can compete internationally.” Leaders must resist the temptation to reduce financial support to these strategic national assets, and he stresses that the solution lies in a public/private system that focuses on excellence.

Secretary Pétriz, an applied mathematician, sees resolution from a different source: the industrial arena. “Innovation is fundamentally a product of the business sector,” he says. “Therefore it is necessary to have more [businesses] and more importantly, more innovative ones. Spain lacks large indigenous businesses.” Pétriz clarifies that there is a cultural divide between the public research agencies, universities, and the business sector and believes “we must improve the relationship between these agents of R&D” with two priority outcomes. First, the system must engender opportunities for the researchers to focus their efforts on solving the problems raised by the organizations. And second, channels must be forged to allow the businesses to finance research projects that they find interesting. He says one of Spain’s goals is to "mobilize an additional €6 billion into private research activity [1.9 percent of the GDP]."

Pétriz, who was appointed only at the end of 2009, says that the coordination of the innovation policies of the autonomous regions and central government could also be improved. Luckily, both his and Mas-Colell’s vision may crystallize soon. In March 2010, the text of a new science law was approved by the country’s ministers. Although it still needs to be accepted by parliament, Garmentia told reporters that the law could provide “a new model” for scientific research and development.

Among various features, the law establishes a new Spanish research agency and pushes for more state- and region-funded entrepreneurial activities. Pétriz is particularly pleased with this element of the statute, in which a new State Innovation Strategy is established, whereby “the state’s ideas for development of innovation will be coordinated with the innovation policies adopted by the autonomous communities.” The law allows researchers to pursue entrepreneurial ventures based on their innovations and “participate in the benefits that their investigation produces,” he explains. The entrepreneurial component will be kick-started by a new secretary of innovation.

Spain’s metamorphosis into an international scientific leader is possible. With national research expertise in biotechnology, transportation, the chemical industry, and information technology, to name a few fields, that already transcends borders between universities, agencies, and commerce, there is no question that the democracy can achieve its ambitious goals, argues Mas-Colell. “The issue is whether or not we want to. The key to the next positive step in reforming the Spanish research system is that it becomes more open than it is now.” The current landscape of institutes and research centers that hire leaders from all over the world is a relatively small number, he points out. The majority of the scholarly system is very traditional, very closed. “It is difficult for non-Spaniards to get into it,” he says. “There is a limit to what Spain will accomplish if the system does not become more open.”

Alaina G. Levine is a science writer based in Tucson, Arizona, USA.

DOI: 10.1126/science.opms.r1000090
THE HUMAN FRONTIER SCIENCE PROGRAM
2011 POSTDOCTORAL FELLOWSHIPS

Registration deadline: 26 August 2010
Submission deadline: 9 September 2010

The Human Frontier Science Program offers fellowships for basic research training in the life sciences across national and scientific boundaries. Applications are invited for two international* postdoctoral programs supporting innovative, ground-breaking and risk-taking projects at the frontiers of life sciences and their interface with other fields of research. Proposals should demonstrate the fellow’s initiative and grantsmanship. HFSP fellows are expected to be exposed to new theory and methods during the tenure of their award while their previous expertise should be reflected in the research project. Applications from female candidates are encouraged.

Long-Term Fellowships are reserved for applicants with a Ph.D. in biology to embark on a new project in a different field of the life sciences. Preference is given to applicants who propose an original study in biology that marks a departure from their previous Ph.D. or postdoctoral work.

Cross-Disciplinary Fellowships are open to applicants with a Ph.D. from outside the life sciences e.g. in physics, chemistry, mathematics, engineering or computer sciences and who have had limited research experience in biology during their previous training.

Fellowships are for three years and offer flexible use of funding in the final year. The start of the third year can be deferred for up to two years while being supported through other funds thus allowing extension of the training in the host laboratory. Third year funding can be used to return to the home country allowing the fellows to apply for the HFSP Career Development Award which provides a 3-year start-up grant of $100,000/year to help establish their first independent laboratory. The application guidelines are available at http://www.hfsp.org/how/appl_form.php.

* Nationals from countries other than HFSP member countries are required to apply for training in a member country, while nationals of HFSP member countries can apply to work in any country. HFSP member countries are: Australia, Canada, the European Union, France, Germany, India, Italy, Japan, the Republic of Korea, New Zealand, Norway, Switzerland, the United Kingdom, and the United States of America.

FOCUS ON SPAIN

Scientists & Senior Scientists
In Vitro diagnostics company, specialized in the development, production and worldwide commercialization of reagents and systems for clinical use, and part of an International Group, based in Barcelona (Spain), has several open positions in the R&D Department, specialized in the development of microparticle-based hemostasis and infectious disease immunoassays for the company’s fully automated analyzer platforms.

Scientists & Senior Scientists
Responsible for the development of chemiluminescent or latex immunoassays for automated platforms.

Requirements: PhD in health sciences or BSc with experience in immunoassay development. Knowledge of automated analyzer systems for clinical laboratory. Proven capabilities in Design of Experiments applied to reagents’ formulation. High degree of responsibility, organizational and interpersonal skills. Solid verbal and written English skills. Industrial experience will be greatly valued.

We offer: Competitive salary. Excellent working environment, in Barcelona area. Career and opportunities for further education.

If you are interested, send a message with your CV to

Ganduxer, 115 E-08022 Barcelona (Spain)
+34 93 602-8000
vft@bravo-orozco-sa.es

The Science and Technology Foundation of Albacete (STFA), Spain, invites applications for up to sixty research positions in different Research Centers located in the autonomous region of Castilla-La Mancha.

Successful applicants must hold a doctorate in an appropriate field, must have demonstrated an ability to conduct research successfully, and must have acquired at least two years of postdoctoral experience.

Applicants will be expected to develop and maintain an independent research plan, and help to establish interdisciplinary programs in different areas of science or technology. These areas include, but are not limited to, Mechanical Engineering, Renewable Energies, Aeronautics, Information and Communication Technologies, New Materials, Architectural Theory and Design, Nanoscience, Nanotechnology and Nanobiotechnology, Robotics, Climate Change, Agriculture, all branches of Biotechnology, and Health and Biomedicine. Exceptional candidates in other areas will be given serious consideration. Salary and rank are commensurate with qualifications and experience. Selected candidates will be offered an initial three-year contract period, after which they will be evaluated for their scientific productivity and accomplishments. Candidates with a favorable evaluation will be offered a permanent contract as staff researchers.

STFA embraces diversity and seek candidates who will create a climate that attracts students and researchers of all races, nationalities, and genders. We strongly encourage women and underrepresented minorities to apply. Located in the renowned region of Castilla-La Mancha, Spain, STFA is an audacious, innovative, and inclusive research environment of public service and academic distinction where staff and researchers alike are encouraged to be active citizens of the world.

Qualified candidates are invited to apply by simply submitting their curriculum vitae, structured in the format of their choice, and a short (two to three pages) statement of research interests by email to: increry@pcytalcom

Subject: INCRECYT. Third call.

Candidates should also arrange to have letters of recommendation sent by email to the above address (preferentially in the format of a scanned JPEG document or in any case with a scanned or digitally hand-written signature) directly from three referees of their choice.

All required application materials (curriculum vitae, statement of research interests and letters of recommendation) should be received by July 12, 2010.

Funded by the European Social Fund (ESF INVESTING IN PEOPLE), Operational Programme 2007-2013, Priority Axis 3.
The University of Chicago announces its search for the founding Director of the Institute for Molecular Engineering, a new academic program and a top scientific priority. Reporting directly to the University Provost, the Pritzker Director of Molecular Engineering will recruit and lead a cohort of 24 new faculty members in a discipline-defining mission at the intersection of chemical engineering, bioengineering, and materials science.

The University possesses a powerful set of strategic resources to advance cutting-edge research and education in molecular engineering, encompassing scientific, social, and economic perspectives. To be housed in a new, state-of-the-art research building, the Institute Director and faculty will take advantage of campus and medical center resources, as well as Argonne National Laboratory, including the Center for Nanoscale Materials and the Advanced Photon Source. By combining the deep analytical approach that has characterized science at the University of Chicago and Argonne with problems in engineering, the Institute for Molecular Engineering will be positioned from the start to develop novel engineering tools and apply new approaches to fundamental problems of societal import.

The successful candidate will be an outstanding researcher and leader, with demonstrated success at managing and recruiting in a large scientific enterprise. The named Professorship and Directorship has been endowed by the Pritzker family.

Requests for consideration and nominations, with accompanying curriculum vitae, should be sent electronically for confidential review by the search committee to:

Thomas F. Rosenbaum, Provost
provost@uchicago.edu

Individuals who wish to apply for this position may do so at http://tinyurl.com/2c719zj

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

Lab Director and Division Directors, Dalian National Laboratory for Clean Energy

Dalian National Laboratory for Clean Energy (DNL), based mainly on Dalian Institute of Chemical Physics (DICP), Chinese Academy of Sciences (CAS), is looking for outstanding candidates for DNL director and division directors. The divisions are optimized utilization of fossil energy, low carbon catalysis & engineering, energy saving & energy environment, fuel cell & energy storage, hydrogen energy, biomass energy, solar energy, maritime renewable energy and basic & strategic studies on energy. More details about DICP and DNL can be found at http://www.dicp.ac.cn.

The DNL director is responsible for the overall management of the DNL laboratory. He/she provides leadership and direction to DNL, which supports research and education in all divisions and related fields. The division director assesses needs and trends in research in individual division, implements overall strategic planning and policy-setting for division activities.

Successful candidates for these positions should have Ph.D degree or equivalent experience; a minimum of 10 years experience in energy related researches; substantial research contributions and strong evidence of scholarship as evidenced in publications; proven experience demonstrating innovative leadership in research administration; demonstrated knowledge of the research activities and issues associated with the academic community; knowledge of grant and contract administration, fiscal management, and budget preparation with experience in scientific research support.

DNL offers a highly competitive salary, excellent benefits and a generous scientific research fund.

Applicants may send a complete CV with a full publication list to Dr. Hua’an Zhang (zhangha@dicp.ac.cn) or Prof. Can Li (canli@dicp.ac.cn), or mailed or delivered to the following address: Dalian Institute of Chemical Physics, 457 Zhongshan Road, 116023, Dalian, China.

School of Physical Sciences
Department of Chemistry
Research Co-ordinator (2 Posts)

£30,747 - £35,646 pa

Two 5-year Research Co-ordinator positions are available in the group of Professor M J Rosseinsky. A PhD in Chemistry, Physics or Materials Science, excellent research skills in synthetic materials chemistry (oxides, porous materials, hybrid nanomaterials) plus an excellent publication record and demonstrated ability to take responsibility in research organisation are essential; skills in at least two of diffraction methods, sorption measurements, energy materials, equipment/measurement development, bionanomaterials, molecular synthesis, thin films are desirable.

Job Ref: R-572400/S Closing Date: 9 July 2010

For full details, or to request an application pack, visit www.liv.ac.uk/working/job_vacancies/ or e-mail jobs@liv.ac.uk Tel 0151 794 2210 (24 hr answerphone) please quote job ref in all enquiries.

COMMITTED TO DIVERSITY AND EQUALITY OF OPPORTUNITY
The Ludwig Institute for Cancer Research Ltd (LICR) is the world's largest international cancer research institute. Leveraging its worldwide network of investigators and the ability to sponsor and conduct its own clinical trials, the LICR is actively engaged in translating its discoveries into applications for human benefit. Recent international discoveries in the genetics and treatment of cancer are providing unprecedented opportunities for the LICR to discover opportunities for improving outcomes for cancer patients.

As a foundation partner in the $1 billion Parkville Comprehensive Cancer Centre the Melbourne Branch will make the Parkville CCC its future home. By participating in this exciting new collaboration to bring together the largest concentration of cancer clinicians, researchers, educators, and students in the southern hemisphere, the LICR will be in a position to drive leadership and innovation in cancer treatment and research.

The successful candidate will have an outstanding record of achievement in the field of cancer research. He or she will have the opportunity to lead and guide the Melbourne Branch into an exciting new era of growth that will build on the Branch’s significant achievements and well established reputation for excellence. The LICR will support the new Director to conduct a top quality research program, to play a leading role within the Institute’s international programs and to be a key opinion leader in cancer research/medicine in Australia.

Initial enquiries, and requests for further information may be directed in confidence to Dr Sean Davies of Amrop Cordiner King on (61) 3 9620 2800. Information on the LICR can be accessed through its website www.licr.org and on the Melbourne Branch at www.ludwig.edu.au.

Applications should be forwarded to Amrop Cordiner King, email licr@amrop.com.au or by post, Level 44 Rialto, 525 Collins Street, Melbourne, Victoria, Australia 3000 and received by Friday 9th July 2010.
The University of Nebraska–Lincoln (UNL) seeks a visionary leader to direct the Nebraska Center for Energy Sciences Research (NCESR). The NCESR mission is to support energy research that produces new technologies, processes and systems that provide new or significantly enhanced renewable energy sources or energy conservation. The Director reports to the Vice Chancellor for Research and Economic Development.

The director will shape growth of the NCESR through:

- Contributions to development and expansion of the campus-wide vision and strategy for enhancing energy sciences;
- Leading development of energy research in areas of the Director’s expertise;
- Facilitating as a catalytic force for UNL energy sciences in both research and education;
- Working with NPPD, academic departments and colleges and other partners to advance energy-related programs across multiple disciplines;
- Building large-scale interdisciplinary teams for energy education, research and/or demonstration projects;
- Expanding opportunities for funding from government agencies, private sector, and charitable foundations;
- Providing administrative and budgetary oversight of the Center.

The successful candidate will have:

- A distinguished scholarly record with demonstrated leadership in energy-related biophysical or social sciences that qualifies him/her for a tenured faculty position;
- Documented ability to think broadly and to develop interdisciplinary research, education, or technology development programs in academia, government, or the private sector;
- Passion for building and enhancing research and educational capacity through strong interdisciplinary collaboration and partnerships with industry, government agencies and research institutions;
- Proven leadership in strategic planning and program development.

Application Process: Qualified candidates must apply electronically at https://employment.unl.edu. The requisition number is 100216 and the job is posted under the title of “Director, Nebraska Center for Energy Sciences Research.” Only electronic submissions will be accepted. Please attach a letter of interest responding to the job description, a vita, and contact information for five references with your submission. References will not be contacted without permission of the applicant. Review of the applications will begin July 1, 2010, and continue until the position is filled.

Attention Workshop Instructors
Free Loafer Instruments

Instructors conducting hands-on professional workshops on molecular techniques are eligible to borrow—free of charge—a Thermo Scientific NanoDrop spectrophotometer to enhance the workshop experience.

“I’m the lead instructor for the Plant Methods Course at Cold Spring Harbor, and I’m writing to thank you for the loan of the NanoDrop® spectrophotometer. This was a new technology for many of the students, and your state-of-the-art instrument contributed to the success of the module.”

This program is designed for short-course, hands-on workshops. Find out if your workshop qualifies, contact: philippe.desjardins@thermofisher.com

NanoDrop products are unique microvolume instruments for DNA, RNA and Protein quantitation determination.

www.thermoscientific.com/nanodrop.com

Science Careers
From the journal Science

Science Careers
Science and AAAS seek a talented scientist to serve as an Associate Editor for our new interdisciplinary journal, Science Translational Medicine.

This position is designed for an individual with broad interests, a lively curiosity, and experience with cutting-edge research in at least one, but preferably more than one, biomedical or clinical research field. To round out our editorial team, we would like our new Associate Editor to have expertise in immunology (vaccines and autoimmune disease especially welcome) or bioengineering (devices, tissue engineering and stem cells are areas of preference).

Responsibilities include, but are not limited to:

- Judge the scientific value of research;
- Foster relationships and communication with the scientific community through literature reviews, meetings and professional contacts;
- Manage the review, selection, and editing of submitted manuscripts;
- Select reviewers for submitted manuscripts;
- Discuss and make recommendations regarding manuscripts and reviews with other staff, advisers, authors;
- Write summaries of research results for publication;
- Guide authors on manuscript revisions;
- Edit the manuscripts for scientific content and style before and after revisions;
- Follow the manuscript through production process to ensure material is published in a timely manner; and
- Travel to scientific meetings.

The minimum qualifications to be competitive and considered for the position are:

- Mastery of a professional field typically acquired through completion of a doctoral degree in at least one biomedical or clinical research field;
- 3-5 years experience, including post-doctoral research experience and multiple publications;
- Ability to work constructively as a member of a team;
- Experience with cutting-edge research in one of the fields mentioned above;
- Comprehensive knowledge of scientific research methods in order to discuss technical issues with authors; and
- Exceptional written, communication, and listening skills in order to communicate with authors and reviewers in evaluating, editing and modifying manuscripts.

Previous editorial experience is not required.

If you would like to be a member of the AAAS team, please visit our Job Information website at http://www.aaas.org/careercenter/employment ataas/ to get more information and to apply online today.

AAAS is an Equal Opportunity Employer.
College of Agriculture and Life Sciences seeks candidates for faculty positions in Interdisciplinary Obesity-Related Research

The College of Agriculture and Life Sciences (CALS; www.cals.vt.edu) and the Departments of Animal and Poultry Sciences (APSC; www.apsc.vt.edu), Human Nutrition, Foods and Exercise (HNFE; www.hnfe.vt.edu), and Food Science and Technology (FST; www.fst.vt.edu) at Virginia Tech (www.vt.edu) announce three tenure-track Assistant or Associate Professor positions in interdisciplinary obesity-related research. The College seeks to assemble a team of scientists with a diverse range of expertise to build on existing strengths in basic and translational obesity-related research and increase extramural funding and training through interdisciplinary initiatives. In addition, the newly formed Fralin Life Science Institute has substantial resources available to support campus faculty actively involved in obesity-related research (http://www.fralin.vt.edu/).

APSC is seeking candidates with expertise in adipose tissue and lipid biology. HNFE is seeking candidates with expertise in areas including but not limited to: nutritional genomics, epigenetics, exercise physiology, and immunology/inflammation. FST seeks candidates with expertise in functional food chemistry as it relates to obesity and diabetes. Competitive salaries, start-up packages and research space will be provided. Core laboratory facilities covering DNA sequencing, microarrays, proteomics, and computation are available through the Virginia Bioinformatics Institute on campus (www.vbi.vt.edu). Other collaborative opportunities exist within and outside CALS including the Departments of Biochemistry, Chemistry, Psychology, the Center for Molecular Medicine and Infectious Disease, Virginia Tech-Carilion School of Medicine and Research Institute, and the Virginia-Maryland Regional College of Veterinary Medicine.

Virginia Tech, a land-grant University and the largest research University in the Commonwealth of Virginia, is located approximately 45 miles west of Roanoke in the scenic hills of southwestern Virginia. There are 21,000 full-time residential undergraduates and 6,250 graduate and professional students enrolled both on- and off-campus throughout the state. With annual research expenditures of about $240 million, Virginia Tech consistently ranks among the top 50 research universities in the United States.

Applicants with relevant expertise should submit a cover letter, curriculum vitae, and 2-page statement of research and teaching interests emphasizing career goals and how collaborative research opportunities would help you achieve your goals to http://www.vt.edu/employment/. The names and contact information for three references should be included with your application. Letters and inquiries should be directed to the Search Chair from each respective department as listed below. Review of applications will begin July 1, 2010 and continue until the positions are filled.

- Animal and Poultry Sciences: Posting #080527; Contact: Dr. Honglin Jiang, Dept of APSC, Virginia Tech, Blacksburg, VA 24061, phone: 540-231-1859, email: hojiang@vt.edu
- Food Science and Technology: Posting #113397; Contact: Dr. Sean F. O’Keefe, Dept of Food Science and Technology, Virginia Tech, Blacksburg, VA 24061, phone: 540-231-4437, email: okeefes@vt.edu
- Human Nutrition Foods and Exercise: Posting #115300; Contact: Dr. Matthew Hulver, Dept of HNFE, Virginia Tech, Blacksburg, VA 24061, phone: 540-231-7354, email: hulvermw@vt.edu

Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates, including women, minorities, and people with disabilities.

OPEN RANK FACULTY POSITION
DEPARTMENT OF PHYSIOLOGY
UNIVERSITY OF TENNESSEE
HEALTH SCIENCE CENTER IN MEMPHIS (UTHSC)

We invite applications from outstanding physiologists for an open-rank, tenure-track position. The ideal candidate is an investigator with an established and funded research program. We are looking for colleagues who use cutting edge methods and/or model systems with applications to fundamental physiological questions. We will consider applicants in all areas of physiology, but excellence of the candidates supersedes the area of research interest. Some emphasis will be placed on scientists focusing on cardiovascular physiology and physiological genomics. The positions are part of the expansion of the department; significant laboratory space, a substantial start up package, and a competitive salary with an additional incentive bonus will be offered. Based on extramural funding the Department of Physiology is currently ranked fourth nationally by the American Physiological Society (http://physiol.uthsc.edu).

To apply, please submit curriculum vitae, summary of current and proposed research programs, current funding, teaching experience and interests, and contact information for three to five references, in a single Word or PDF document to:

Gabor Tigyi, M.D., Ph.D.
Harriett Van Vleet Professor and Chair
Department of Physiology
E-Mail: PhysiologySearch@uthsc.edu

Review will begin upon receipt of the application.
The University of Tennessee is an EEO/AA/Title VI/Title IX, Section 504/ADA/ADEA Employer.

Scientist positions focused on Epigenetics in Cancer and Stem Cell Research

The Ontario Cancer Institute at Princess Margaret Hospital in Toronto invites highly productive applicants in the area of Epigenetics to apply at either the Scientist or Senior Scientist level. Applicants must have an M.D. and/or Ph.D. degree(s) (or equivalent), several years of post-doctoral experience, and a proven track record, as evidenced by high level publications. This is an exciting opportunity to help build a strong program in Epigenetics.

OCI is the largest centre for cancer research in Canada with >140 scientists on staff covering the full spectrum of applied and fundamental research. Its 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 campus, as well as the Ontario Institute for Cancer Research provides an extraordinarily rich scientific environment.

Applicants will also be eligible for appointment at the Assistant, Associate, or Full Professor level in the Faculty of Medicine at the University of Toronto. Interested candidates should send their CV to:

Dr. Benjamin G. Neel
Director, Ontario Cancer Institute
610 University Avenue, Suite 7-504
Toronto, Ontario MSG 2M9

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.
EXHIBITION (Hall C) September 1~3, 2010
Exhibit Categories
- Pharmaceuticals & Drug Discovery, Biotechnology, Genomics & Proteomics
- Industrial & Environmental Biotechnology
- Biochips, Bioelectronics and Bioinformatics
- CRO, CMO, CSO, Patent and Legal Services, Venture Capitals, Consulting companies
- Medical Devices & Lab equipments
- BIO-Clusters, Academic Research Centers, etc.

CONFERENCE (Conference room) September 1~3, 2010
Plenary Speeches
Dr. Ada E. Yonath
• The first Israel woman to win the Nobel Prize in Chemistry

Dr. John D. Clemens
• Director-General of the International Vaccine Institute (IVI)

Conference program: 15 General Tracks, 1 Special Track, 48 Sessions
Therapeutic Antibody, u-health, Regenerative Medicine, BIo Imaging, Clinical Drug Development, High Tech Medical Complex, Medical Device & Diagnostics etc.

BUSINESS FORUM (Hall E) September 2~3, 2010
The BIO KOREA 2010 Business Forum will provide you with the opportunity to enter into business or technology partnership with leading bio companies in Korea and overseas and will be a venue for communication and prosperity in your business. Even more customized and differentiated services provided this year will be the path of successful technology transfer, joint researches and investment attraction.

More Information on BIO KOREA 2010
EXHIBITION: Tel 82-2-6000-5058 Email biokorea@kita.net
CONFERENCE : Tel 82-2-508-4217 Email bioconf@ibimp.com
BUSINESS FORUM: Tel 82-2 508-4217 Email biobiz@ibimp.com

www.biokorea.org

ORGANIZED BY
Korea International Trade Association
Chungcheongbuk-do

SUPPORTED BY
Ministry of Knowledge Economy (MKE)
Ministry of Health and Welfare (MW)
Seoul Metropolitan Government
The Brain Prize recognizes and rewards outstanding contributions to European neuroscience, from basic to clinical.
The new Consultative Group on International Agricultural Research (CGIAR) is seeking nominations for Chair and Members of its Independent Science and Partnership Council (ISPC).

The CGIAR is the largest publicly funded agriculture research system serving developing countries. It has an annual budget of over $570 million, and employs over 8500 staff, including more than 1000 scientists working in over 100 countries.

The ISPC is a standing panel of world-class scientific experts in the new CGIAR. Its overarching purpose is to provide independent advice and expertise to the donors of the CGIAR through services to the Fund Council and the Funders Forum. It also serves as an intellectual bridge between the funders and the Consortium of CGIAR Centers. The ISPC plays a vital role for the new CGIAR to improve productivity and quality of science, to catalyze the partnering of CGIAR science with other institutions of international agricultural research, and to support the important role of the CGIAR as honest broker in various global debates.

For more information and to submit nominations, please visit: http://www.cgiar.org/egnnominations/index.cfm. The deadline for nominations is July 30, 2010.

For further information on the new CGIAR, please visit www.cgiar.org.

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**RESEARCH ASSOCIATE AND POSTDOCTORAL POSITIONS in Cancer Population Genetics and Genomics, Memorial Sloan-Kettering Cancer Center.** Starting fall 2010. Focus on inherited susceptibility to cancers of the breast, ovary, colon, prostate, and lymphoma. Methodologies include whole genome association studies, candidate gene association, and full sequencing approaches (see PubMed identifiers 19567420, 19287384, 19497887, 18326623). Applicant must have strong background in population genetics and laboratory experience with high throughput genotyping. Send applications and three letters of reference to: Kenneth Offit, M.D., M.P.H., Clinical Genetics Service, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, Box 192, New York, NY 10021. Fax: 646-888-4081; e-mail: offitk@mskcc.org. Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer with a strong commitment to enhancing the diversity of its faculty and staff. Women and applicants from diverse racial, ethnic, and cultural backgrounds are encouraged to apply.

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**DIRECTOR OF STEM CELL INITIATIVE**

Columbia University Medical Center is seeking an outstanding scientist to lead its new Stem Cell Initiative. The successful candidate will be an exceptionally talented stem cell Biologist with an active research program who can establish a strategic vision and research agenda for the Initiative. The Director will occupy an endowed chair, will oversee faculty recruitment, and will lead an interdisciplinary team of researchers.

To apply or for more information, please contact: Joel Stein, M.D., Chairman, Department of Rehabilitation and Regenerative Medicine, College of Physicians and Surgeons, Columbia University. Telephone: 212-305-4818 Fax: 212-342-3138 E-mail: js1165@columbia.edu or Dola Sengupta, Ph.D., Program Coordinator, Stem Cell Initiative. Telephone: 212-305-8984 E-mail: ds2865@columbia.edu Applications must be received by August 31, 2010. Columbia University is an Equal Opportunity/Affirmative Action Employer.

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**POSITIONS OPEN**

Two to three POSTDOCTORAL FELLOWS positions are open in the lung cancer genetics group at the Siteman Cancer Center of Washington University of St. Louis School of Medicine. Experience with large-scale, genomewide datasets, next generation sequencing experience, genomewide association studies (GWAS) knowledge, expression arrays, or functional characterization of cancer genes is required. The starting salaries will be $40,000 to $45,000 for Fellows. Please electronically send a resume and three references to Dr. Ming You, e-mail: youm@wustl.edu.