King Abdullah University of Science and Technology (KAUST)
Faculty Openings in Chemical Engineering

King Abdullah University of Science and Technology (KAUST) is being established in Saudi Arabia as an international graduate-level research university dedicated to inspiring a new age of scientific achievement that will benefit the region and the world. As an independent and merit-based institution and one of the best endowed universities in the world, KAUST intends to become a major new contributor to the global network of collaborative research. It will enable researchers from around the globe to work together to solve challenging scientific and technological problems. The admission of students, the appointment, promotion and retention of faculty and staff, and all the educational, administrative and other activities of the University shall be conducted on the basis of equality, without regard to race, colour, religion or gender.

KAUST is located on the Red Sea at Thuwal (80km north of Jeddah). Opening in September 2009, KAUST welcomes exceptional researchers, faculty and students from around the world. To be competitive, KAUST will offer very attractive base salaries and a wide range of benefits. Further information about KAUST can be found at http://www.kaust.edu.sa/

KAUST invites applications for faculty position at all ranks (Assistant, Associate or Full Professor) in Chemical Engineering including areas such as:

- Catalysis
- Complex fluids
- Energy engineering
- Fluid mechanics
- Membranes
- Molecular modelling and thermodynamics
- Process systems engineering
- Reaction engineering
- Separations technology

High priority will be given to the overall originality and promise of the candidate’s work rather than the candidate’s sub-area of specialisation within Chemical Engineering. Nevertheless, KAUST is particularly interested in applicants whose research has applications in the fields of water desalination, clean combustion and catalysis.

An earned PhD in Chemical Engineering or a related science or engineering discipline, evidence of the ability to pursue a program of research, and a strong commitment to graduate teaching are required. Applicants should have at least one year of postdoctoral research experience.

A successful candidate will be expected to teach courses at the graduate level and to build and lead a team of graduate students in Master’s and PhD research.

Applications, including a curriculum vitae, brief statements of research and teaching interests, and the names and contact details of at least 3 referees, should be sent to the Search Committee by electronic mail to kaust.chemeng@imperial.ac.uk Please note that the Search Committee may also appoint additional referees at its discretion. The review of applications will begin immediately, and applicants are strongly encouraged to submit applications as soon as possible; however, applications will continue to be accepted until December 2009, or until all 10 available positions have been filled.

In 2008 and 2009, as part of an Academic Excellence Alliance agreement between KAUST and Imperial College London, the KAUST faculty search will be conducted by a committee consisting of professors from the Faculty of Engineering at Imperial College London. This committee will select the top applicants and nominate them for faculty positions at KAUST. However, KAUST will be responsible for actual recruiting decisions, appointment offers and explanations of employment benefits. The recruited faculty will be employed by KAUST, not by Imperial. Faculty members recruited by KAUST before September 2009 will be hosted in Chemical Engineering at Imperial College London as Academic Visitors until KAUST opens in September 2009. At Imperial, these Academic Visitors will conduct research with Imperial staff and may occasionally teach courses.

Enquiries and applications: kaust.chemeng@imperial.ac.uk

Valuing diversity and committed to equality of opportunity
European research institutions seek to diversify funding sources as well as their work force. **By Jill U. Adams**

In 2002, the European Union (EU) set a goal, referred to as the Lisbon strategy, that member states should be spending 3 percent of their gross domestic product on research and development by the year 2010. At present only a few countries are at that level, such as Sweden (3.9 percent) and Finland (3.5 percent). Powerhouses such as Germany (2.5 percent), France (2.1 percent), and the UK (1.7 percent) strongly support R&D, like the US (2.6 percent); Spain (1.1 percent) and Italy (1.1 percent) have some catching up to do.

Funding statistics are useful, but they cannot tell the whole story. “As a young scientist, you don’t care about politics, you care about your own career,” said Ernst-Ludwig Winnacker, secretary general of the European Research Council (ERC), which is part of the Seventh Framework Programme (FP7) to boost research, education, and innovation in the European Union. “You don’t care about the European research area and these sorts of things; you go to places where your career is best served. Scientists vote with their feet.”

The ERC awards grants to individual investigators of any nationality strictly on the basis of scientific excellence, says Winnacker. “The idea is to fund pioneer grants or frontier research,” he says, without preference for geographical location or field of science. The only other condition is that the host institution must be in Europe (including the 27 European Union member states and eight other participating countries).

The 300 new awardees of the ERC’s starting grants—for scientists who are 2-9 years from earning their Ph.D.s—were selected from more than nine thousand applications. Grants averaged €1.2 million for five years, and the winners voted with their feet for a total of 21 countries. The top vote getters, in rank order, were the UK, France, Germany, the Netherlands, Italy, and Spain. Switzerland and Israel also did extremely well.

Other countries came up empty, like Poland, Turkey, and the Baltic states. “Not because they don’t like Poland,” says Winnacker of the newly funded young scientists, “but because they don’t think the institutions are good enough as yet for them.”

Countries like the UK, France, and Germany are no surprise, as they always measure up in assessments of European science, whether by funding or citations. Spain jumps ahead of all but the Netherlands when the number of grants is expressed in relation to national expenditures for research. Italians, from a country where research funding has been flat for a decade, applied for the ERC grants in droves, with some 1,900 applications and earning nearly 12 percent of the awards, second only to Germans. **continued »**
IN SEARCH OF EXCELLENCE!

The German Federal Ministry of Education and Research (BMBF) is supporting the establishment of fast-track research groups at eight new Centres for Innovation Competence. Scientists with excellent references and international expertise are invited to send in their applications by 5 Sept. 2008.

Women are especially invited to apply. Preference will be given to disabled applicants with equal qualifications. For further details on the application requirements please see: www.unternehmen-region.de

B CUBE – Molecular Bioengineering Dresden Dresden Technical University

Nature offers an enormous arsenal of functional systems and properties that could answer a wide range of unmet technological needs. The vision of the newly founded Centre for Innovation Competence Molecular Bioengineering, B CUBE, is to identify natural functional units, characterise them at the molecular level, and adapt them to specific needs and so design the materials and technologies of the future. The centre will initially comprise three complementary Junior Research Groups that will closely interact with three newly created B CUBE professorial chairs and be supported by a pool of state-of-the-art technology platforms. B CUBE, in collaboration with the German Federal Ministry of Education and Research, invites applications for the following positions:

**Research Group Leader “Bionanotechnological Analysis and Manipulation” or “Biofunctional Nanostructures” Equivalent to Junior (DE) or Assistant (USA) Professorship**

The successful candidate will establish an international team of young, talented scientists to investigate biomolecules and complexes to unlock adaptive functional units. This requires the continual development of bionanotechnological methods to characterise and manipulate biomolecular structures and functions. Applicants should possess a PhD in a bionanotechnological field and demonstrate postdoctoral experience in molecular imaging and manipulation.

**Research Group Leader “Bioresponsive Materials” Equivalent to Junior (DE) or Assistant (USA) Professorship**

The successful candidate will establish an international team of young, talented scientists to study and imitate adaptive processes observed in natural systems. The goal of this research group is to establish novel synthetic pathways for innovative nanomaterials that may lead to future technological applications. Applicants should possess a PhD in biochemistry and/or polymer chemistry and demonstrate postdoctoral experience in the analysis and control of biomolecular processes and/or supramolecular chemistry.

Applications should be addressed to:

B CUBE and Project Management
Technische Universität Dresden
Professor Carsten Werner
Tatzberg 47
01307 Dresden
Germany

For further information please contact:
office@bcube-dresden.de; http://www.bcube-dresden.de

Virtuhcon Freiberg Technical University

The Freiberg Technical University holds a leading position worldwide in the fields of metallurgy and fuel conversion, both topics ranking among the core themes of the university’s research profile. Scientific top-rate performances in these fields are pushed by extending the excellent infrastructure. A further leap in quality will be achieved by the establishment of the Centre for Innovation Competence Virtuhcon (Virtualisation of High Temperature Conversion Processes). The centre will focus on the improvement of sustainability of the most resource- and energy-intensive processes in the energy conversion and material supply sector. High temperature conversion processes will be modelled, simulated and virtualised on a new scientific level by using high-performance computing.

**Research Group Leader “Multiphase Systems”**

The group leader sets up an international team of young scientists. The tasks of the team are the comprehensive analysis of material systems of real high temperature conversion processes and the development of consistent property data sets allowing the thermodynamic description of complex material systems and the creation of mathematical and natural-scientific models.

Requirements for engagement are:
- PhD (e. g. process engineering, metallurgy, technical/physical chemistry, technical mineralogy)
- Experience in R&D and high temperature conversion processes technology
- Scientific professional experience abroad and experience in international cooperation
- Managerial skills, capacity for teamwork, motivation and interdisciplinarity

**Research Group Leader “Reactive Flow Systems”**

The research group leader and his team will investigate the characteristics of reactive flows at different reaction room geometries for high temperature conversion processes. The team will analyse and develop models of flow behaviour under different conditions. The combination of these models serves as a basis for realistic numerical simulation and virtualisation of high-temperature conversion processes for diverse applications. The tasks include the utilisation of CFD software and visualisation and the virtualisation of a large amount of data.

Applicants should possess:
- PhD (fluid dynamics, mechanical/process engineering, physics, numerical mathematics)
- Experience in one or various fields of reactive flows simulation, modelling and numerical simulation of highly particle loaded turbulent flows, visualisation and virtualisation as well as research, development and engineering of high temperature conversion processes
- Experience in project coordination and in leading an interdisciplinary, international team
- Team spirit, ability to work under pressure and high motivation

The initial appointments are for a period of five years and renewable upon satisfactory performance and continuation of funding for another five years.

Applications and enquiries should be addressed to:

TU Bergakademie Freiberg and Project Management
Dezernat für Personalauswahl
Zimmerstrasse 26–27
09596 Freiberg
Germany
E-mail: k.-d.husemann@fz-juelich.de

For further information please contact: Professor Meyer (bmeyer@iec.tu-freiberg.de); http://www.virtuhcon.de
Humoral Immune Reactions in Cardiovascular Diseases
Ernst Moritz Arndt University Greifswald

The Ernst Moritz Arndt University Greifswald is a traditional German university located in the beautiful region of West Pomerania on the Baltic Sea coastline. Life Sciences constitutes one of its major research areas. The university is setting up a new interdisciplinary Centre for Innovation Competence. Its establishment is supported by the German Federal Ministry of Education and Research through the funding of two research groups. The focus of the centre is the humoral immune responses in cardiovascular diseases. It will elucidate the role of autoantigens in cardiovascular diseases and the reactions of the immune system upon contact with these complex structures.

For this purpose, two research groups will be established: “Nanostructure” (applying biochemical, biophysical and nanotechnological methods), and “Cell Response” (modern immunological techniques), with both groups collaborating closely. The research group leaders will build a team of 4–5 scientists each. Both groups will be funded initially for five years, with about 3 million euros each. This includes personnel, laboratory set-up and consumables.

Research Group Leader “Nanostructure”

We seek to recruit an outstanding scientist with experience in separation and analysis of proteins, especially in structural changes of proteins and protein aggregates. Candidates should be familiar with nanotechnological techniques such as atomic force microscopy or photon correlation spectroscopy. Knowledge of immunological techniques is considered an asset.

Candidates should have a PhD in biochemistry, biology or biophysics and should have a strong publication record. They are expected to show high degree of flexibility and be willing to work in interdisciplinary teams. Ideally, candidates should already have some experience in leading a work group and are team players with very good social skills.

Research Group Leader “Cell Response”

Candiates should possess a PhD, preferentially in biology, biochemistry or medicine (immunology, haematology) and should be experienced in advanced immunological techniques with a strong knowledge of molecular biology and biochemistry. Ideally, they should have well-established experience in B-cell immune responses. Experience working with transgenic animals and molecular imaging systems is considered an asset.

Interdisciplinary thinking and a high degree of flexibility is expected. Ideally, candidates have had some experience in leading a work group and are team players with very good social skills.

For further information please contact:
greinach.uni-greifswald.de; http://www.hike-autoimmunity.de

plasmas – Leibniz Institute for Plasma Science and Technology (INP) Greifswald

With “plasmas – plasma plus cell!” an interdisciplinary Centre for Innovation Competence for the investigation of interactions between physical plasma and living matter is established as a cooperation between INP Greifswald and Greifswald University. The Centre seizes the potential of plasma applications in medicine. plasmas will conduct fundamental research with the goal of understanding the complex mechanisms of the impact of plasma on cellular structures in order to derive systematic therapy options, particularly for wound healing. With plasmas, a modern and well-equipped research centre arises on a new university campus shaped by the thriving, attractive campuses of AIP and the University of Potsdam. In addition to the existing research infrastructure of modern laboratories, computer facilities and workshops, new buildings will provide dedicated lab space for the centre. innoFSPEC will be embedded in an active academic and student environment and will build upon the existing research and the dynamic teams of AIP and UPPC.

Potsdam, the capital of Brandenburg, is a beautiful city with Prussian castles and attractive lakes, featuring an outstanding scientific environment with about 25 research institutions. Moreover, the vicinity of the national capital Berlin provides unique benefits in terms of science, culture, education and leisure.

Both positions are equivalent to Junior (DE) or Assistant (US) Professorship, tenure track option.

We are seeking outstanding candidates with strong research records in one or several of the following fields: astronomical instrumentation, physical chemistry, photonics, laser spectroscopy, fibre-optical sensing. Successful candidates should have several years of postdoctoral experience, preferably in an international context.

The innoFSPEC headquarters are located at AIP in Potsdam-Babelsberg. Research work will take place on the thriving, attractive campuses of AIP and the University of Potsdam. In addition to the existing research infrastructure of modern laboratories, computer facilities and workshops, new buildings will provide dedicated lab space for the centre. innoFSPEC will be embedded in an active academic and student environment and will build upon the existing research and the dynamic teams of AIP and UPPC.

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SEPTOMICS
Friedrich Schiller University Jena

The newly founded Centre for Innovation Competence SEPTOMICS in Jena will be established as an integrated research centre with the vision to improve the molecular understanding of life-threatening infections and the ensuing host response. Three complementary and interacting groups of scientists will be established. They will benefit from close collaboration within an academically well-established cluster of sepsis research in Jena allowing translational and early clinical proof of concept studies.

SEPTOMICS is seeking young, outstanding scientists as:

Research Group Leader (Associate Professor, W2) “Fungal Septomics”

The position is available for an outstanding young scientist with PhD/MD background and experience in molecular biology and functional genomics of human pathogenic fungi, preferentially candida albicans. The group leader is expected to possess a strong publication record. He/She is to establish a scientific team that utilises tools of systems biology to identify and characterise molecular patterns in the response of the fungus to the innate immune system.

Research Group Leader (Associate Professor, W2) “Host Septomics”

The position is available for an outstanding young scientist with PhD/MD background and experience in molecular biology, functional genomics, immunology and the general field of host response. He/She is expected to possess a strong publication record. He/She is expected to establish a team of scientists that utilises tools of systems biology to improve understanding of innate and adaptive immune responses to bacterial and fungal infections.

Funding of the groups will include laboratory set-up, consumables and additional personnel (postdoctoral as well as technical positions) for five years. A successful group leader will be offered a tenure track by the University.

The Friedrich Schiller University Jena aims to increase the number of women in those areas in which they are underrepresented and therefore urges them to apply. Suitably qualified disabled individuals will be preferred and are especially encouraged to apply.

Jena has been elected “Science City 2008” and is a friendly university town with excellent cultural, recreational and living facilities.

Applications should be addressed to:

Friedrich Schiller University Jena
Dean of the Biological-Pharmaceutical Faculty
Professor J. Lehmann
Fürstengräben 26
07743 Jena, Germany

For further information please contact:
axel.brakhage@hki-jena.de (RG Fungal Septomics),
konrad.reinhart@med.uni-jena.de (RG Host Septomics); http://www.septomics.de

Project Management
Organisation Jülich
Zimmerstrasse 26–27
10969 Berlin, Germany
E-mail: k.-d.husemann@ffz-juelich.de

HALOmem
Martin Luther University Halle-Wittenberg

The Centre for Innovation Competence HALOmem at the Martin Luther University Halle-Wittenberg seeks to initiate an expertise platform for the determination of membrane protein structure. In this context, two independent research groups are to be established:

“Recombinant Expression of Membrane Proteins” and “Reconstitution of Membrane Proteins”.

Both groups will have the opportunity to work and collaborate within the stimulating multidisciplinary environment that has established Halle as an internationally recognised centre for pure and applied protein biochemistry, biotechnology and biophysics.

HALOmem seeks highly motivated and outstanding junior scientists for the positions of:

Research Group Leader “Recombinant Expression of Membrane Proteins”

The successful candidate will establish a team to develop technologies for recombinant expression of functional membrane proteins (preferentially in prokaryotes) suitable for structural biology. The applicant will have trained in protein biochemistry and/or biophysics, with documented experience in these fields at postgraduate and postdoctoral level.

Research Group Leader “Reconstitution of Membrane Proteins”

The successful candidate will establish a team to develop technologies for the functional reconstitution of membrane proteins and the analysis of their interactions with membrane components. The applicant will have received training in physical chemistry/membrane biophysics covering a wide array of methods. Documented experience in these fields at postgraduate and postdoctoral level is expected.

Furthermore, applicants should ideally have experience in:
- Working in an international and interdisciplinary scientific environment
- Project coordination and leadership
- Obtaining third party funding

Each group will receive funding from the German Federal Ministry of Education and Research, including laboratory set-up, consumables and additional personnel of 4-5 co-workers for five years. Successful candidates are expected to participate in undergraduate teaching to a limited extent and to contribute to the “Graduate School of Molecular Life Sciences”.

Both positions offer the possibility of subsequent tenure at the Martin Luther University, which may or may not be submitted for tender depending on the success of the group leader.

The Martin Luther University Halle-Wittenberg strives to promote equal opportunities in science. Female and disabled applicants, qualified according to the above criteria, will be given preference over other candidates with equivalent relevant qualifications.

Applications and enquiries should be addressed to:

Professor Milton T. Stubbs
ZIK HALOmem
c/o Institut für Biochemie und Biotechnologie
Martin-Luther-Universität Halle-Wittenberg
Kurt-Mothes-Strasse 3
06120 Halle (Saale), Germany

E-mail: k.-d.husemann@ffz-juelich.de

For further information please contact:
info@halochem.de; http://www.halochem.de

The Newton International Fellowship scheme, run by The British Academy, The Royal Academy of Engineering and The Royal Society, aims to attract the world’s best postdoctoral researchers to the UK.

The two-year Fellowships cover the broad range of the natural and social sciences, engineering and the humanities. The Fellowships include £24,000 per annum to cover subsistence and £8,000 to cover research expenses, plus a one-off relocation allowance of £2,000.

Funding, worth £6,000 per year for ten years after the Fellowship ends, will support follow-on activities to enable Newton Fellows to build long-term links with the UK.

In addition, Newton Fellows will also become members of the international alumni scheme run by Research Councils UK.

The deadline for applications is Monday 4 August 2008.

More details from the Newton International Fellowships website:

www.newtonfellowships.org

Newton International Fellowships
6-9 Carlton House Terrace
London SW1Y 5AG

tel: +44 (0)20 7451 2555
fax: +44 (0)20 7451 2543
info@newtonfellowships.org
“We have a better situation than five years ago. More centers, more activities, more grants.”

—Jordi Cami

Italy
In Italy, training abroad is encouraged. “It’s important for a scientist to get another point of view of research,” says Silvio Garattini, director and vice president of the Mario Negri Institute for Pharmacological Research, a private organization that employs 900 scientists at four locations in Italy.

When Italian students and postdocs go abroad, whether elsewhere in Europe or to the US, “The problem is trying to get them back,” says Garattini. The issue of brain drain is of much concern in Italy and the funding situation in the country over the past decade has played a prominent role.

Ten years ago, the Italian government spent 1 percent of its gross domestic product on scientific research, says Enrico Garaci, president of the Istituto Superiore di Sanita (ISS) in Rome, which as the primary scientific arm of the Italian National Health Service employs some 1,500 scientists. “Now it is 1.1 percent,” he says.

The recent elections in Italy aren’t likely to make an impact anytime soon. Political parties both right and left have overseen the decade of flat funding. “Politicians are not very interested in research,” says Garattini.

Another critical aspect is the low number of researchers compared to other countries, says Garaci. “For every thousand workers there are three scientists in Italy. In the US, it’s nine.” The European average is between five and six.

So far, Italy has remained influential on the world stage. Citation indexes show that Italy’s long tradition of research is continuing. Prominent scientists like Garattini and Garaci are focusing on the strengths at their respective institutes, investing in specific research areas, establishing formal collaborations across their borders, and doing all they can to change the climate for the better.

Under Garaci, ISS has an agreement with George Mason University to apply the latest methods in proteomics to discover new cancer biomarkers and drug targets. Garaci emphasizes the benefits of focusing on a few areas in which to excel, rather than trying to cover “all of medicine.” The agreement includes trading clinical samples and research trainees, as well as shared profits from any commercialization. Garattini points to joint research the Mario Negri does with the Weizmann Institute in Israel.

Mario Negri has upgraded its facilities, moving its Milan head-quarters closer to the Polytechnic University of Milan to encourage collaboration, and fitting its new, larger building with modern laboratories and core equipment. “We also have a residence where we can host foreign visitors,” says Garattini.

In short, the lesson of Italy is to look at the positives at the institutional level, which may well override the negatives at the national level for a scientist considering a position there.

Spain
The mood in Spain is optimistic. A country whose name is not often mentioned in the same breath with the United Kingdom or Germany when talking about scientific discovery is gaining notice in Europe and beyond. Having suffered its own brain drain, the country is now welcoming returning Spaniards home.

The Spanish government has created new programs and has substantially increased funding for science, biomedical science in particular. “We have a better situation than five years ago,” says Jordi Cami, the general director of the Barcelona Biomedical Research Park (PRBB). “More centers, more activities, more grants.”

Mariano Barbacid, who directs the new Spanish National Cancer Research Center in Madrid (CNIO), returned to Spain in 1998 after working for 23 years in the United States. Like two other national research centers in Spain, which focus on cardiovascular research and genomic regulation, the CNIO is a public institution with about 50 percent of its budget coming as hard money from the government. The other 50 percent comes from grants.

Barbacid has built the CNIO, now with more than four hundred scientific staff, to be research—and researcher—friendly. The national centers have the advantage of being autonomous in terms of strategic planning and daily operations. “That is something the other research centers cannot do; they have to ask permission for everything either to the [Spanish] research council or to the university.”

One of the first things Barbacid did was to create a good startup package to attract the best people, including luring back Spaniards who have done their postdoctoral training abroad. “We give them three [support] positions, and everything they need for the first three years, within reason,” he says. continued »
“Nine universities won the so-called future concept grants, which Germany hopes will boost those schools into the international ranking.”
—Beate Konze-Thomas

In addition, CNIO employees are not civil servants, which requires passing a national exam. “Almost everyone in Spain is a civil servant, whether you belong to the university or the research council,” says Barbacid. Skirting that requirement, he says, gives his center tremendous flexibility in hiring scientists from abroad.

“We are dying to get more foreigners here. We are starting an international postdoctoral program where we are paying more competitive salaries, comparable to EMBL, the European Molecular Biology Laboratory,” says Barbacid. Currently 25 percent of the CNIO’s postdocs and graduate students are foreign, as are five of the 35 group leaders.

Still there’s room for improvement. Researchers are limited to only one individual grant at a time, although they may get additional funds from the central government if they are part of a large network grant. The size of grants is limited as well. “As long as you demonstrate you are productive with two different projects, why should you only get funded for one?” asks Barbacid.

Another source of funding in Spain is regional governments. “Several of the regional governments, like Catalonia, really have emerged as new and important means of support,” says Cami, which was not the case 10 years ago. Private sector funding on the other hand is scarce; science-focused philanthropy is not part of the Mediterranean culture and industry funding tends to be concentrated in other countries in Europe, and in the United States.

Cami is working to improve relations with industry by holding workshops at the PRBB, simply to bring together academics and industrial scientists, sit them at the same table, and have them share ideas. “Our idea is to survey the different research groups and help scientists see their own research as an opportunity that can be useful or interesting for industry or commercial purposes.”

Language can be another barrier to movement among countries. Five years ago, the PRBB switched to using English to teach the graduate level program. “Now almost 70 percent of all our Ph.D. students are non-Spaniards,” says Cami. The percentage of foreigners is 20 percent for the total staff of 1,200, 30 percent for scientists. “The current language in the elevators and the restaurants and the seminars is English,” he says.

Germany

Germany has a long history of scientific excellence, both in the life sciences and the physical sciences. While Germany typically ranks high in measures of funding for science and output measures like citations and Nobel prizes, scientific research in the country has been stifled somewhat by old-fashioned policies at universities, in state funding schemes, and in intellectual property law.

Change is afoot, starting with the new Excellence Initiative from the German Research Foundation (DFG), the primary federal funding agency. The DFG will spend €1.9 billion over five years on the initiative—a huge addition to the DFG’s regular budget of €1.7 billion. The Excellence Initiative funds three broad programs to effect change in graduate education, to encourage research clusters, and to bring back a sense of competitiveness and prestige to German universities.

Nine universities won the so-called future concept grants, which Germany hopes will boost those schools into the international rankings, says Beate Konze-Thomas, head of the department for coordinated programs and research infrastructure at the German Research Foundation. The review process was comprehensive, looking at measures of international status, research performance, management, education, the degree of collaboration, and the success in attracting funding from a variety of sources.

Many people see the Excellence Initiative as a welcome challenge to the old system that considered all German universities to be equivalent. Some feel that it may even succeed in inspiring Germans to take more pride in their science. “Scientists in the UK and US have much more self-confidence,” says Enno Außerheide, director, research policy and external relations for the Max Planck Society.

Außerheide says that even the general public in Germany may underestimate what German science can accomplish. “This has been changed a bit by two things. The first is that, with this Excellence Initiative, there is this feeling that yes we do have excellent universities. The second important thing was the two Nobel prizes for physics and for chemistry, which went to Germany last year.”

—continued »

Featured Participants

Barcelona Biomedical Research Park
www.prbb.org

European Research Council
erc.europa.eu

German Research Foundation
www.dfg.de/en

Istituto Superiore di Sanita
www.isss.it

Mario Negri Institute for Pharmacological Research
www.marionegri.it

Max Planck Society
www.mpg.de/english

Medical Research Council
www.mrc.ac.uk

Spanish National Cancer Research Center
www.cnio.es/ing/index.asp

The Wellcome Trust
www.wellcome.ac.uk
The Faculty of Biomedical Sciences at University College London represents one of the largest and most prestigious aggregations of academics in biomedicine in Europe today. Active groups are working in almost all of the major themes of medical science ranging from basic research to the clinic. UCL itself is now rated as one of the top 10 universities in the world. Performance indicators (e.g. Thompson’s ESI) recognise that UCL is already top in Europe for both neuroscience and clinical medicine, second in Europe in Immunology and has enormous strengths across a range of other biomedical research themes including Cancer, Cardiovascular Medicine, Women & Children’s Health, Population Health and Ophthalmology.

UCL FBS delivers excellence in research and teaching across 12 prestigious Divisions and Institutes, including Child Health, Neurology, Ophthalmology and the Wolfson, working closely with our partner NHS Trusts at UCLH, Great Ormond Street, Moorfields, Queen Square, the Royal Free and the Whittington. Within this integrated structure, UCL has a powerful tradition of a liberal and individualised approach to academia which allows talented individuals extensive freedom and scope to pursue their research interests, with a minimal level of central control. This tradition is one of the great attractions of UCL and is highly valued by many academics – as well as postgraduate students - as one of their reasons for wishing to work and study at UCL.

1 We welcome Expressions of Interest from academic staff interested in coming to UCL. You should have a track record of excellence in research in any area of biomedicine. You should either already be a leader in your field, or have a CV that demonstrates the capacity to become a leader within the next 3-5 years. Similarly we invite Expressions of Interest for two UCL Research Fellowships which will shortly become available for young international candidates of the highest quality, in any field of Biomedicine.

UCL offers competitive salaries, a central-London location and an environment of unrivalled research excellence supported by excellent facilities for both basic science and clinical research.

If you are interested, please email Mrs Vanessa Havercroft (v.havercroft@ucl.ac.uk) with a copy of your CV and a statement (no more than 1000 words) on your current research activities and research plans.

2 In addition, we have a number of specific current opportunities for academic staff, postdoctoral fellows and postgraduate students, including:

- Institute of Neurology, Wellcome Trust Centre for Neuroimaging various Academic opportunities. Contact E. Bertram at personnel@ion.ucl.ac.uk, details at http://www.ucl.ac.uk/hr/vacancies/adverts/INE35.html. Closing Date 21.7.08
- Division of Population Health, Chair in Health Economics, Contact: Floriana Bortolotti (f.bortolotti@ucl.ac.uk), details at http://www.ucl.ac.uk/epidemiology/jobs/index.htm. Closing Date: 15.8.08
- Institute of Child Health, Clinician Scientist award, Contact Professor David Goldblatt (d.goldblatt@ich.ucl.ac.uk) to discuss, k.white@ich.ucl.ac.uk to apply. Details at http://www.ich.ucl.ac.uk/ich/html/humanresources/jobs.html. Closing Date: 29.8.08
- Cancer Institute, Senior Statistician, contact Mandy Verdon at human.resources@wibr.ucl.ac.uk, details at http://www.ucl.ac.uk/hr/vacancies/adverts/G414.html. Closing Date: 31.7.08
- Division of Population Health, Senior Lecturer/Reader in Public Health, Contact: Floriana Bortolotti (f.bortolotti@ucl.ac.uk), details at: http://www.ucl.ac.uk/epidemiology/jobs/index.htm. Closing Date: 1.8.08
- Cancer Institute, Senior Statistician, contact Mandy Verdon at human.resources@wibr.ucl.ac.uk, details at http://www.ucl.ac.uk/hr/vacancies/adverts/G414.html. Closing Date: 31.7.08
- Division of Population Health, Senior Lecturer/Reader in Public Health, Contact: Floriana Bortolotti (f.bortolotti@ucl.ac.uk), details at: http://www.ucl.ac.uk/epidemiology/jobs/index.htm. Closing Date: 1.8.08
- Division of Medicine, Oliver Bird 4 year PhD studentships, Contact: Professor David Isenberg, d.isenberg@ucl.ac.uk;
- Division of Medicine, Centre for Respiratory Medicine, PhD Studentship (MRC Capacity Building Postgraduate Award). Contact: Professor Jadwiga Wedzicha (j.wedzicha@ucl.ac.uk), Closing Date: 31.7.08
- Division of Medicine and the Department of Neuroscience, Physiology and Pharmacology, PhD Studentship - project aimed at understanding the functions of mammalian CLC proteins. Contact: Dr. Anselm Zdebik (a.zdebik@ucl.ac.uk), Closing Date: 31.7.08
- Many other UCL career opportunities can be found at: http://www.ucl.ac.uk/hr/vacancies/adverts/job-list.html.
“We are dying to get more foreigners here. We are starting an international postdoctoral program where we are paying more competitive salaries.”

—Mariano Barbacid

The most storied research organization in Germany is the Max Planck Society, which encompasses 78 institutes, centers, and laboratories employing some 4,400 scientists and 11,300 students and fellows. “People who have been group leaders at a Max Planck Institute have been very successful in their careers,” says Auferheide, either moving on to university professorships or moving up to the director level at Max Planck.

Of the 270 directors at Max Planck, 27 percent have foreign passports and 40 percent have come from abroad (including returning Germans). Recent hirings have increased the international representation at Max Planck further. “This is very atypical for Germany.”

Not that universities or other research institutions wouldn’t want to increase the number of foreigners, but there are barriers. “For students, the numbers have risen a lot during recent years,” says Konze-Thomas, to about 10–20 percent. But faculty profiles have not changed much. University professors in Germany have heavy teaching loads compared to other EU countries, as much as nine hours per week, says Konze-Thomas. And they teach in German.

Funding of research comes from the DFG, from private research institutions like the Max Planck Society, and from the universities themselves. On the other hand, the teaching mission of universities is dependent solely on Germany’s member states; thus, Bavaria is responsible for its universities and Lower Saxony is responsible for its own. “We have huge differences in the regional funding of universities,” says Konze-Thomas.

United Kingdom
The UK has long been a leader in Europe in biomedical research, both in terms of funding and output, and it shows no sign of slowing down. “Public funding for science has actually increased year on year for at least the last 10 years,” says Chris Watkins, translation theme leader for the UK’s Medical Research Council (MRC), the primary government funding agency for biomedical research. “Last fall’s spending review was a very good one for science and a very good one for the MRC. Our budget went up 30 percent,” including a £543 million allocation from the government for the 2007-2008 fiscal year.

Watkins lists the many reasons why a researcher would want to come to the UK. “Clearly, we have a very strong research envi-

ronment. And when you look at the figures of our citation impact, we really do punch above our weight,” he says, noting that the UK stands second only to the United States in terms of worldwide publications and citations. He also cites government investments in infrastructure and the commitment to support translational and clinical research.

The UK also is ahead of the game when it comes to academic-industrial partnerships and promoting commercialization of research findings. “When the government talks about science, it always talks about science and innovation,” says Watkins. The MRC has its own technology transfer division to work with the intellectual property of its intramural program, which includes three research institutes and about 50 units and centers, altogether employing some four thousand people. In the last fiscal year, revenue from licensing added another £46 million to the MRC coffers, all of which gets funneled back to support research.

Young researchers can find opportunities to have much more independence much earlier in their careers in the UK, says Mark Walport, director of The Wellcome Trust based in London. The Wellcome Trust awards postdoctoral fellowships with four years of funding. “It enables them to go anywhere in the world. This is empowering because they can choose where to do the research; it’s their funding,” says Walport, who notes that other funders, like the Royal Society, have good fellowship schemes as well. The Wellcome Trust also awards principal fellowships analogous to the Howard Hughes Medical Institute in the United States.

In addition to supporting individual investigators, The Wellcome Trust supports research schemes in which they see a need for complementary funding. “We’re not there to replace the funding of government,” says Walport. “We’re there to provide synergy.” These initiatives include supporting interdisciplinary research, particularly by incorporating the physical sciences into biomedical research, supporting clinical pharmacology in the development of new medications, and bringing together geneticists and epidemiologists to develop a better understanding of genetic variation.

Expanding Horizons
The good news is that going abroad to work in science is smiled upon from all fronts. Whether it’s to go to graduate school, to do a postdoctoral fellowship, or to land a more permanent position, most people agree that the experience can broaden one’s world, both personally and scientifically.

While personal factors may direct scientists to look at one country over another, it’s worth trying to understand the greater research climate in a country. Language, pay, and research opportunities in a specific lab may be immediate concerns, but they are only a small part of the picture. Larger scale issues such as growth in funding, intellectual property rights, and openness to collaboration across different sectors all have the potential to affect a career in ways that might be good, or bad, news.

Jill Adams is a freelance writer living in upstate New York.

DOI: 10.1126/science.opms.r0800056
Nine Associate Professorships

The Dept. of Biology, University of Copenhagen, seeks nine associate professors starting January 1st, 2009, or as soon as possible thereafter. Appointees are expected to pursue innovative and internationally competitive research programs in one of the areas specified below. International postdoctoral experience, collaborative work in multidisciplinary programs, a track record in dissemination, and the ability to attract external funding will be considered assets. Successful candidates will be expected to significantly contribute to undergraduate and graduate teaching at the Dept. and must therefore document relevant expertise in teaching and student supervision. Deadline for applications is Wednesday October 1st, 2008 at 12:00 noon. Please find the job ads in full at: http://www.ku.dk/english/vacant_positions/.

With more than 200 scientists, the Dept. of Biology at the University of Copenhagen is the largest academic institution in the biological sciences in Denmark. The Dept. has research programs in all major areas of biology, including expertise on all types of model organisms: their structure, function, physiology, ecology and evolution at levels from molecules in the cellular universe, via organismal biodiversity and species interactions, to evolutionary and ecological processes in the biosphere. This expertise is integrated with Departmental educational programs which focus on research-based teaching of more than 2,000 students, and outreach at the highest academic levels. The Dept. attracts significant external funding, which currently covers ca. 50% of activities. Information about the Department can be found at http://www1.bio.ku.dk/english/.

Animal Behaviour (position 211-0185)
The appointee is expected to pursue a research program within the field of vertebrate social behaviour. An experimental approach is required and should ideally be inspired by field work so that the position complements and strengthens ongoing research programs. A description of the current activities in the Animal Behaviour Group can be found at www.bio.ku.dk/animbehav. Inquiries concerning the position can be made to Torben Dabelsteen, Head of the Animal Behaviour Group, E-mail: tdbabelsteen@bio.ku.dk.

Evolutionary Ecology (position 211-0186)
The appointee is expected to pursue a research program within the field of invertebrate social evolution, combining experimental and field approaches with a solid understanding of evolutionary theory and quantitative methods. An overview of current research at the Centre for Social Evolution can be found at www.bi.ku.dk/csel. Inquiries concerning the position can be made to Jacobus J. Boomsma, Director of the Centre for Social Evolution, E-mail: JJBoomsma@bio.ku.dk.

Genome Stability (position 211-0181)
The appointee is expected to pursue a research program that can strengthen and complement current research in the Cell Cycle and Genome Stability group, which studies mechanisms for how levels of DNA building blocks cause mutations (see www.bio.ku.dk/ccgs for further information). Experience with fission yeast molecular genetics and multi cellular model systems will be considered assets. Inquiries concerning the position can be made to Olaf Nielsen, Head of the Cell Cycle and Genome Stability Group, E-mail: onigen@bio.ku.dk.

Immunology (position 211-0180)
The appointee is expected to pursue a research program that can strengthen and complement ongoing research on immune system signal transduction (cytokine receptor signaling, immune regulation and cancer research) within the Cell and Developmental Biology Section (see http://www.immibiocenter.dk). Experience with fission yeast molecular genetics and multi cellular model systems will be considered assets. Inquiries concerning the position can be made to Niels Ødum, Head of the Immune System Signal Transduction Group, E-mail: n.odum@immibiocenter.dk.

Molecular Biology of Cilia (position 211-0179)
The appointee is expected to pursue a research program addressing basic questions relating to the molecular mechanisms of ciliogenesis and the cell biology of cilia. The position should strengthen and complement ongoing research on the assembly and function of motile and primary cilia (see www.bio.ku.dk/english/research/cu/cilia/). Documented expertise with mammalian and at least one other, simpler model system, and the potential to develop interactions with research on more general biological and biomedical problems related to cilia will be considered assets. Inquiries concerning the position can be made to Else Hoffmann, Head of the Section for Cell and Developmental Biology Section, E-mail: ekhoffmann@bio.ku.dk.

Molecular Microbiology (position 211-0183)
The appointee is expected to pursue a research program, addressing basic questions in bacterial metabolism and evolution and combining a variety of approaches from biochemistry, molecular biology, physiology, genomics and/or computational biology. The position is intended to strengthen and complement ongoing departmental research on Molecular Microbiology, which is currently done in the Molecular Microbial Ecology group (www.bi.ku.dk/microbiology/spleisensl) and the Danish Archaea Center at the Department (http://dcmu.bio.ku.dk/). Inquiries concerning the position can be made to Olaf Nielsen, Deputy Head of Department, E-mail: onigen@bio.ku.dk.

Plant Molecular Biology (position 211-0178)
The appointee is expected to pursue a research program in plant molecular biology that can strengthen and complement current research in the Department (see details at www.imbif.ku.dk/mundry). Knowledge of plant immune and stress responses will be an advantage, and the research programme should have the potential to extend the use of plant models to understanding processes in other organisms. Documented expertise in Arabidopsis molecular genetics and functional genomics, experience with at least one other model system, and the potential to establish collaborations with colleagues working on other biological and biomedical models will be considered assets. Inquiries concerning the position can be made to John Mundy, Head of the Plant Molecular Biology Group, E-mail: mundy@my.molbio.ku.dk.

Structural Bioinformatics (position 211-0182)
The appointee is expected to pursue a research program in computational prediction of 3D protein structure. The position is placed at the Bioinformatics Centre (see: www.binf.ku.dk/) and should strengthen and complement the development and use of probabilistic models of macromolecular structures to predict the structure and dynamics of proteins and RNA. The candidate should be capable of interdisciplinary work involving statistics, biophysics, and informatics. Inquiries concerning the position can be made to Anders Krogh, Head of the Bioinformatics Centre, E-mail: krogh@bionf.ku.dk.

Terrestrial Plant Ecophysiology (position 211-0184)
The appointee is expected to pursue a program within the Section for Terrestrial Ecology studying ecophysiological processes from the leafroot to ecosystem level in natural and semi-natural ecosystems. The position should expand existing research programs in Physiological Plant Ecology, which involve research on carbon, water and nutrient relations in terrestrial ecosystems and the effects of global change and anthropogenic stress factors in Arctic and temperate ecosystems (see: www.bio.ku.dk/forskning/to/). Inquiries concerning the position can be made to Rasmus Rasmussen, Head of the Section for Terrestrial Ecology, E-mail: rasmussk@bio.ku.dk.
ESPCI invites applications for **several research positions in Materials Science, at the Visiting Professor, post-doctoral and/or PhD levels**. Beginning on September 1st, 2008, the offer will remain valid for an extended period of time.

These full-time positions are funded by **Michelin** (www.michelin.com), the worldwide leader in the tire and rubber industry. Michelin allocates nearly 4% of its revenue to R&D (600M€ in ‘07). Six thousand researchers and process engineers throughout Europe, North America and Asia work towards sustaining Michelin’s leadership position through a committed policy of innovation in the areas of materials, products and manufacturing processes.

The appointments will provide the successful candidates with opportunities to perform collaborative research on the following topics: polymers and polymer-filled composite materials; methods to describe them across multiple scales; methods to characterize nanometer-size structures and the corresponding mechanical properties at the macroscopic scale; physical-chemical features of interfaces and near-surface domains and adhesion issues; aging; modeling of the visco-elastic behavior; tribology; and rheology.

In addition, the successful candidates will be requested to participate in research programs involving one or more laboratories at ESPCI and/or research teams from Michelin, and to deliver scientific lectures covering his/her core area of expertise. These lectures may be geared towards students and research scientists at ESPCI, as well as research teams at Michelin.

The duration of the appointment may range from 1 month to 12 months. Professors at the full, associate and tenure-track levels as well as senior research fellows are particularly encouraged to apply. Financing will be commensurate with the candidate’s credentials and research program and includes competitive salary and possibly accommodation, as well as excellent medical benefits.

Post-doctoral candidates and/or PhD students trained in the research topics above, or associated with a visiting Research Professor, may join the program, through a dedicated grant or in partnership with one of the laboratories at ESPCI.

Prospective candidates may send their CV, together with 3 letters of recommendation, by mail, e-mail or fax to François Fuseau, General Secretary, ESPCI, 10 rue Vauquelin 75231 Paris Cedex 05, France; francois.fuseau@espci.fr; +33 14 33 14 222. Review of applications will begin immediately and will continue indefinitely.

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**Michelin-funded Visiting Research Opportunities in Materials Science**

Ecole Supérieure de Physique et de Chimie Industrielles (ESPCI) - Paris, France

ESPCI invites applications for **several research positions in Materials Science, at the Visiting Professor, post-doctoral and/or PhD levels**. Beginning on September 1st, 2008, the offer will remain valid for an extended period of time.

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At Umeå University, there is world-leading research within several areas. We offer an attractive range of academics and quality study environments. Umeå University’s campus provides an inspiring milieu for the 4,000 employees and 29,000 students that have chosen us. We stand united before exciting challenges and tremendous opportunities.

**16 Post-doc positions (2 years) at the Faculty of Science and Technology**

The Faculty of Science and Technology has decided to further strengthen its staff of younger researchers, and therefore searches 16 post-docs for immediate employment.

- Intelligence and Cognition. Ref no 315-2172-08
- Tree Automata Theory for Computational Language Technology. Ref no 315-2173-08
- Evolutionary Ecology. Ref no 315-2174-08
- Spatial Population Dynamics. Ref no 315-2175-08
- Biomechanical and Biophysical Properties of Bacterial Pili and Fimbria. Ref no 315-2176-08
- Computational Organic Electronics. Ref no 315-2177-08
- Molecular Analysis of Cell Division Reinitiation in Plants. Ref no 315-2178-08
- Mechanisms Driving Plant-Specific Planar Polarity in Arabidopsis. Ref no 315-2179-08
- Biogeochemo Cycling of Environmental Pollutants. Ref no 315-2181-08
- Plant Proteases. Ref no 315-2182-08
- Mathematical Statistics for Studies of Environment and Climate Change. Ref no 315-2183-08
- Mathematics, Ref no 315-2184-08
- Anaplastic Lymphoma Kinase (Alk) Function in vivo. Ref no 315-2185-08
- Tumor Biology: Role of the Myc Oncogene in Cancer. Ref no 315-2187-08
- Modeling, Control and Automation for Forestry Cranes. Ref no 315-2188-08
- Semantic Face Image Annotation and Retrieval on Large Databases. Ref no 315-2189-08

For more information: www.jobb.umu.se
Cambridge Research Institute

The Cambridge Research Institute (CRI) is a state-of-the-art Cancer Research UK core-funded facility that opened in 2007 at the Addenbrooke’s Hospital medical campus of the University of Cambridge. The juxtaposition of the CRI to the medical school and nearby world-class institutes provides an exciting medical scientific environment that fosters the investigation of basic cancer biology and the development of novel clinical applications for cancer patients. The CRI is the nucleus of the Cambridge Cancer Centre (www.cancer.cam.ac.uk), which brings together researchers in many disciplines from across the University and associated Institutes and local biotech; and it is also linked to the clinical services and research of the hospital.

We are developing a set of integrated programmes in selected epithelial cancers (currently lung, pancreas, prostate, breast and ovary) that span from normal biology to clinical application. We wish to recruit clinical and non-clinical scientists whose interests will impact on these programmes (and potential programmes in other epithelial cancers) at any point in the basic to clinical spectrum.

**TRANSLATIONAL POST-DOCTORAL FELLOWS**

Ref: 7774

CRI has created translational post-doctoral training fellowships to stimulate the development of clinician-scientists for an academic career in cancer medicine. Fellows will participate in the Institute's clinical and scientific programmes in selected epithelial cancers (currently lung, ovary, pancreas, prostate and breast). You will have completed a Ph.D. and possess clinical qualifications in either oncology or in relevant organ site specialties (e.g. respiratory medicine or gastroenterology), or in oncological surgery, pathology or radiology. You will be provided with full salary, access to core scientific services plus support for yourself and a technical assistant for up to four years, and will be a full member of the most appropriate laboratory at CRI. We envisage that up to 10-20% of the fellow's time will be spent in the clinic. You will be expected to develop a line of basic and clinical research alongside the laboratory head, with the expectation that such research may form the basis of your future career path. Mentorship will be provided by the laboratory head and the Institute Director, and other appropriate Group Leaders as needed.

To apply for either position please visit: http://jobs.cancerresearchuk.org/ using the relevant reference number.

Closing date for both positions is: 15th August 2008.

Please be advised that interviews for both positions are planned for late October/early November.

Please direct informal enquiries to Ann Kaminski in the first instance: ann.kaminski@cancer.org.uk

For further information please visit: www.cambridgecancer.org.uk

**TENURE AND TENURE-TRACK GROUP LEADER POSITIONS**

Ref: 7775

**Clinical and Non-Clinical Scientists**

We wish to recruit up to 3 Group Leaders, with a particular focus in:

1. Proteomics
2. Quantitative biology
3. The biology of epithelial neoplasia

You will be expected to lead an independent research programme that contributes to the overall goals of the Institute. All posts carry a significant core package of salaries and support, which continues for the term of the appointment. Tenure-track appointments are for up to 7 years. Honorary clinical appointments can be negotiated for clinical appointees.
Development of an Independent Research Programme in Cancer Biology

The Beatson Institute for Cancer Research, one of Europe’s leading research Institutes, has now moved to a new state-of-the-art building in parkland on the northwestern edge of Glasgow and provides a dynamic, supportive and well-resourced environment for its scientists. We are seeking applications for Group Leaders to develop an independent research programme in cancer biology. We would, in particular, welcome applications from scientists working in the fields of regulation of protein stability, spatial assembly of multi-protein complexes or the development of three-dimensional tissue culture and mouse models for cancer. The resources available include research posts from our Cancer Research UK core grant with space for expansion for further staff on external funding.

Further information on the Beatson’s research activities, infrastructure and facilities is available on our website www.beatson.gla.ac.uk. Applications, including a one to two page statement of research interests and goals, CV, list of publications and the names of three referees, should be sent to Professor Karen Vousden, Director, The Beatson Institute for Cancer Research, Garscube Estate, Switchback Road, Bearsden, Glasgow G61 1BD, Scotland (email k.vousden@beatson.gla.ac.uk).

Postdoctoral Scientists

We are currently seeking highly motivated and dedicated postdoctoral researchers to work in a variety of projects within the Institute. Group Leaders at the Institute welcome applications from prospective postdoctoral fellows. Posts are offered initially for three years with the possibility, if successful, of a further two. Salaries start from £23,500 and more with relevant experience. If you are interested in the work we do and would like to find out if there are any suitable positions available please logon to our website at www.beatson.gla.ac.uk/research and contact individual Group Leaders directly by following the links.

Current vacancies include:

Prof Laura Machesky (e-mail l.machesky@beatson.gla.ac.uk)
A study of cell migration and invasion in 3D environments, both in reconstituted systems and in vivo.

Prof Frank Kozielksi (e-mail f.kozielkski@beatson.gla.ac.uk)
The structure and function of cancer-related proteins.

Prof Hing Leung (e-mail h.leung@beatson.gla.ac.uk)
Aberrant signalling in prostate carcinogenesis.

Prof Brad Ozanne and Dr Jim Norman (e-mail b.ozanne@beatson.gla.ac.uk, j.norman@beatson.gla.ac.uk)
Investigation of the interaction of Rho-family GTPases and integrins during invasive tumour cell migration.

Applications for the above posts with CV and names of two referees should be sent to the relevant group leader.

The University of Edinburgh

A reputation for excellence built over 400 years, 8000 staff and a vibrant, forward-looking culture make the University of Edinburgh one of the top employers in the city. Critical to our continued success is the significant number of staff employed in supporting roles. So, whatever your skills, if you want to be part of an organisation shaping tomorrow’s world, we can offer you a rewarding and interesting future.

Research Group Leader

The Wellcome Trust Centre for Cell Biology at the University of Edinburgh require outstanding young scientists for independent Research Group Leader positions, at the level of Career Development Fellows.

The Centre is affiliated with the Institute of Cell Biology in the School of Biological Sciences and is equipped with state-of-the art facilities and instrumentation for cell biological research, including core support in microscopy, bioinformatics and proteomics. Current research strengths in the Centre are in areas of chromosome biology (chromatin structure, epigenetics, and kinetochore function/checkpoints), subcellular organisation (nuclear envelope, cytoskeleton, and mitotic mechanism) and RNA metabolism (mRNA and rRNA processing), with an emphasis on model systems. We are particularly interested in new investigators studying RNA metabolism and also those using higher eukaryotic systems and/or biochemical approaches to cell biology, but we encourage applications from all areas.

Most group leaders within the Wellcome Trust Centre for Cell Biology are supported by independent research fellowships, and you will secure such independent funding within a year of arrival. Ideally, you should have postdoctoral experience, making you eligible to apply for five or six year early career fellowships from the major UK funding bodies, such as the Wellcome Trust.

Applications, containing a CV (including names of three academic referees) and a brief research outline/proposal, should be sent to Professor Adrian Bird (Director), Wellcome Trust Centre for Cell Biology, University of Edinburgh, Michael Swann Building, The King’s Buildings, Edinburgh EH9 3JR, United Kingdom. Applications may also be sent as Word (.doc) or PDF files by email to Professor Bird’s secretary, (christine.struthers@ed.ac.uk).

Applications should ask their referees to send letters of reference by the deadline (below). Informal enquiries may be made to christine.struthers@ed.ac.uk Further information about the Centre can be found at www.wcb.ed.ac.uk Further information about Wellcome Trust Career Development Fellowships can be found at www.wellcome.ac.uk/node2129.html

Closing date: 25 August 2008. Interviews are likely to be held late September or early October 2008.

Committed to Equality and Diversity

The University of Edinburgh is a charitable body, registered in Scotland, with registration number SC005336.

www.jobs.ed.ac.uk
Special Programme for Research and Training in Tropical Diseases (TDR)

A global research programme on infectious diseases of poverty, in which disease endemic countries play a pivotal role

Following the launch of its new strategy and the biggest reconfiguration in its 30 year history, TDR is recruiting the following positions. All positions are based in Geneva, Switzerland. Successful applicants will be staff members of the World Health Organization. For more information consult the WHO/TDR website: www.who.int/tdr.

Applications must be made on-line through the WHO website. The deadline for receipt of applications for all positions is 1 August 2008. Candidates from disease endemic countries and those who have worked in such countries are encouraged to apply.

Research for Neglected Priorities

- **Coordinator (Research) P6:** Lead the research functions of TDR and oversee the management of nine research business lines. (HQ/08/TDR/FT579)
- **Scientist (Leader – Antimalarial Policy and Access and Senior Adviser Malaria Research) P6:** Lead TDR malaria research with special responsibility for antimalarial policy and access. (HQ/08/IER/FT530)
- **Scientist (Chemotherapy for Helminths and other NTDs and Senior Adviser NTD Research) P6:** Lead neglected tropical disease research with special responsibility for drug development and evaluation. (HQ/08/IER/FT545)
- **Scientist (Leader – Integrated Community-based Interventions) P5:** Lead and develop innovative and efficient strategies for providing community-based interventions to poor populations. (HQ/08/IER/FT457)
- **Scientist (Leader – Visceral Leishmaniasis Elimination) P5:** Lead and research for Visceral Leishmaniasis elimination focusing on the Indian sub-continent. (HQ/08/IER/FT455)
- **Adviser (Leader– Diagnostics Research) P6:** Lead quality assured diagnostics research. (HQ/08/TDR/FT580)
- **Scientist (Quality Assured Diagnostics) P5:** Manage clinical, scientific and administrative matters related to diagnostics projects. (HQ/08/TDR/FT456)
- **Technical Officer (Quality Assured Diagnostics) P4:** Participates in clinical, scientific and administrative aspects of diagnostics projects. (HQ/08/TDR/FT456)
- **Scientist Drug (Drug Discovery Biology) P5:** Manage the biological components of TDR drug discovery activities. (HQ/08/TDR/FT491)
- **Technical Officer (Drug discovery and database management) P3:** Provide database management in support of drug discovery. (HQ/08/NPR/FT463)
- **Technical Officer (HIV/TB Co-infection) P4:** Provide scientific and technical support for TB/HIV research. (HQ/08/TDR/FT474)

Empowerment

- **Coordinator (Empowerment) P6:** Coordinate the development of leadership in health research and decision making in disease endemic countries. (HQ/08/TDR/FT493)
- **Technical Officer (Quality Management) P4:** Provide technical expertise on quality assurance issues and training needs. (HQ/08/TDR/FT465)
- **Technical Officer (Research Capacity Strengthening) P4:** Provide scientific expertise for research activities that promote empowerment. (HQ/08/TDR/FT471)
- **Technical Officer (Clinical Coordination) P4:** Participate in the coordination of TDR clinical trial activities. (HQ/08/TDR/FT464)

Stewardship

- **Scientist (Biomedical Science) P5:** Provide specialized expertise by identifying priority needs and major research gaps in infectious diseases of poverty. (HQ/08/TDR/FT472)
- **Scientist (Public Health) P5:** Provide expert advice to develop an evidence and analysis-driven process for the identification of priority needs and major research gaps in infectious diseases. (HQ/08/TDR/FT473)

Portfolio Policy and Development

- **Scientist (Portfolio Management) P5:** Develop and advance quality management and strategic monitoring and evaluation of the programme. (HQ/08/TDR/FT475)
- **Scientist (Portfolio Policy) P5:** Develop and advance policy and technical interfaces of collaboration with external organizations. (HQ/08/TDR/FT477)

Programme Related Support

- **External Relations Officer (Governing Bodies Manager) P5:** Manage and coordinate the external relations, governance and resource management activities of TDR. (HQ/08/TDR/FT492)
- **Programme Manager P5:** Lead and coordinate all aspects of administrative, human resources, budgetary, financial and contract management in TDR. (HQ/08/TDR/FT494)
- **Programme Officer P4:** Provide expert advice and support on budgetary and financial matters with particular attention to donor agreements. (HQ/08/TDR/FT482)
- **Technical Officer (Graphic Designer) P3:** Design and lay out of scientific materials; brochures, pamphlets, reports, posters, newsletters and other regular communication vehicles. (HQ/08/TDR/FT490)
- **Editor (Web Editor) P3:** Develop and maintain the TDR website. (HQ/08/TDR/FT495)
Macro, Micro and Nano Aspects of Machining - MAMINA

FP7 – PEOPLE – Initial Training Networks

6 three-year PhD-projects and 4 one-year projects

The MAMINA project will combine the work of 19 European universities, research institutions and industrial companies to analyse and improve the machinability of 3 high performance alloys that are widely used in industry. The chip formation process will be studied in detail in experiments and simulations from the nano to the macroscopic scale. Different approaches will be made to improve metal cutting operations of the investigated alloys. The results will be transferred to real industrial applications.

Applications should be sent to: cicenergigune@ikerbasque.net
Deadline: 15 October, 2008

Research Leader

Electrochemistry for Energy Storage and Fuel Cells

Permanent Position

Location: Vitoria-Gasteiz, Basque Country, Spain.

The recently founded Fundación energigune (energiGune Foundation, Vitoria-Gasteiz, Basque Country, Spain) for research into energy is looking to hire a research leader in the area of Energy Storage and Fuel Cells.

The Fundación energigune, co-financed by private sector funds and the Department of Industry and Energy of the Autonomous Regional Basque Government, operates within the framework of recently approved long-term research plans.

This permanent position involves designing the research laboratory and setting up the research team. Applicants will have proven and wide-ranging experience and leadership in the fields of electrochemistry, material science and catalysis, connected to developing advanced batteries, electrochemical condensers and fuel cells. A good understanding of the processes occurring in micro and nano-structure electrodes is expected, in order to improve performance and reduce degradation.

Qualifications requirements include a PhD in Chemistry, Physics, Chemical Engineering, or Material Sciences (with an emphasis on electrochemistry) and knowledge of processes associated with nanostructure materials for electrodes and electrolytes.

We are looking for a motivated and experienced research leader with initiative to develop an ambitious research programme. Applicants should be open to interdisciplinary collaboration with other research centres.

Preference will be given to candidates with experience in leading research teams focused on the afore-mentioned fields of interest in research bodies of recognised prestige. Applicants should be fluent in English, and knowledge of Spanish and/or Basque would be useful but not mandatory. All applicants are invited to submit a detailed biography.

Applications should be sent to: cicenergigune@ikerbasque.net
Deadline: 15 October, 2008

Grant for Postdoctoral Positions in Sweden

This grant enables researchers with doctorates (PhDs or equivalent) to work at Swedish higher education institutions or research establishments. The programme spans up to two years. Research areas: Natural Sciences, Engineering Sciences, Medicine, Humanities, Social Sciences and Educational Sciences.

Call for applications opens early July. Submission deadline is August 25, 2008.

Further information at www.vr.se
The Helmholtz-Zentrum Berlin für Materialien und Energie GmbH (HZB)
Member of the Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszenren e.V.
and the Technische Universität Berlin (TUB)
invite applications for a joint appointment in the field „Materials Research for Photovoltaics“
as **Head of Department**
“Materials Research”
in the Division Solar Energy Research of HZB and **University Professor (W3)**
at the Fakultät II “Mathematik und Naturwissenschaften”
of the Technische Universität Berlin.

Solar Energy Research at the HZB focuses on the development of thin-film solar cells. It builds upon a rather unique variety of analytical methods, a basis which get even stronger by the merger of the HZB and BESSY to the Helmholtz-Zentrum Berlin für Materialien und Energie, scheduled for January 1, 2009. Presently, research at the HZB is mainly covering inorganic absorbers based upon compound semiconductors or poly-crystalline silicon, supplemented by activities aiming for new materials and novel concepts and process technologies. HZB and TUB aim to promote research and academic education towards innovative, in particular organic and/or nano-structured absorbers and corresponding solar cell concepts. We therefore search for a distinguished physicist, chemist or materials scientist with an outstanding international reputation and expertise in the field of organic semiconductors and/or nano-structures of functional systems relevant for photovoltaics. He/she is supposed to develop a long-sighted research program for the HZB-department “Materials Research”, with a special focus on materials science supporting the development of innovative photovoltaic devices. We expect him/her to be committed to the general program of teaching and examining of students at the TUB, to inspire the scientific work in his/her department and to encourage internal and external collaborations.

Applications should include a curriculum vitae, a list of publications and previously taught courses, a statement of research and teaching interests, and up to five selected publications and are to be sent until 31 August 2008 to Prof. Dr. Michael Steiner, Scientific Director, HZB, Glienicker Straße 100, 14109 Berlin, Germany. Who for further information may also be contacted by phone (+49 (0) 30 8062 2762) or e-mail steiner@helmholtz-berlin.de.

To accelerate the process, applicants are kindly requested to send their application materials both in written form as well as electronically via e-mail. Application materials will not be returned. Therefore, you are requested to send only copies of all documents. Applicants must meet the legal requirements for appointments of professors in accordance with § 100 of the “Berliner Hochschulgesetz”. Habilitation or documented evidence of equivalent scientific qualifications is required.

HZB and TUB are equal opportunity employers, committed to the advancement of individuals without regard to race, colour, religion, sex, age, national origin, ethnicity, disability or any other protected status. HZB and TUB seek to increase the proportion of female faculty members. Thus qualified women are particularly encouraged to apply.

This appointment will be decided in close co-ordination with the appointment „Charge Carrier Dynamics in Solar Cells“.
CALL FOR PROPOSALS FOR 2009 CONFERENCES in
- Mathematics

CALL FOR PROPOSALS FOR 2010 CONFERENCES in
- Biology+
- Energy and Environment
- Mathematics
- Physics/Biophysics and Environmental Sciences
- Social Sciences and Humanities

Proposals are to be submitted electronically via the ESF Research Conferences website:
www.esf.org/conferences/call2008

Closing date for online submission:
15 September 2008 (midnight CET)

For further information about the Call, please visit:
www.esf.org/conferences/call2008 or email:
conferences-proposals@esf.org

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UNIVERSITY OF SOUTHERN DENMARK
WWW.SDU.DK/VACANCIES

Professor in medical molecular pharmacology

University of Southern Denmark, Odense

The Department of Physiology and Pharmacology, Institute of Medical Biology, Faculty of Health Sciences, University of Southern Denmark invites applications for a position as professor in medical molecular pharmacology.

Further information can be obtained from the head of research, prof. Boye L. Jensen, MD, PhD, Institute of Medical Biology, Telephone +45 6550 3796, e-mail: bjfjensen@health.sdu.dk or professor Ole Skett, MD, DMSc, Head of Institute of Medical Biology, +45 6550 3752, e-mail: oskott@health.sdu.dk

DEADLINE FOR APPLICATIONS August 8th, 2008 at 12.00 noon
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The Helmholtz-Zentrum Berlin für Materialien und Energie GmbH (HZB)
Member of the Hermann von Helmholtz-Gemeinschaft
Deutscher Forschungszentren e.V.
and the
Freie Universität Berlin (FU)
invite applications for a joint appointment in the field
„Charge Carrier Dynamics in Solar Cells“
as
Head of Department
“Charge Carrier Dynamics”
in the Division Solar Energy Research of HZB and
University Professor (W3)
in the Department of Physics of the FUB

Solar Energy Research at the HZB focuses on thin-film photovoltaics. A large variety of analytical methods including experiments at the synchrotron source BESSY II and at the HZB research reactor BER II offers excellent prerequisites to control the interdependence of the properties of a material and its inner structure. The situation will be further improved when HZB und BESSY merge to the Helmholtz-Zentrum Berlin für Materialien und Energie, by January 1, 2009.

A crucial task for any type of solar cell is the detailed understanding of how the optically induced charge carriers are separated and move through the complex structures of the cell. The new department “Charge Carrier Dynamics” should integrate the relevant expertise already existing at the HZB and develop and provide new experimental techniques, in particular those using synchrotron radiation. A better understanding of the interdependence of structural and electronic properties should help in identifying the processes, which are relevant for limiting the efficiency of a solar cell.

To head the new department, we search for a distinguished physicist, chemist or material scientist with an international reputation based upon relevant contributions to thin-film photovoltaics. Expertise in spectroscopic methods, in particular those utilizing synchrotron radiation, will be especially appreciated. The successful candidate is expected to develop a convincing future-oriented research program within the frame sketched above.

We expect the successful applicant to be committed to the general program of teaching and examining of students at the Freie Universität (the compulsory amount of teaching will be 2 hours per week per semester), to inspire the scientific work in his department and to foster internal and external collaborations.

To be appointed, he/she must meet the requirements of the Berlin Higher Education Act (§ 100 BerlHG, more detailed information available on request). HZB and FU are equal opportunity employers, committed to the advancement of individuals without regard to race, colour, religion, sex, age, national origin, ethnicity, disability or any other protected status. HZB and FU seek to increase the proportion of female faculty members. Thus qualified women are particularly encouraged to apply. Handicapped applicants will be given preference over others of equal qualification.

Applications should be received until 31 August 2008 and should be addressed to Prof. Dr. Michael Steiner, Scientific Director, HZB, Glienicker Straße 100, 14109 Berlin, Germany, who for further information may also be contacted by phone (+49 (0) 30 8062 2762) or e-mail (steiner@helmholtz-berlin.de).

This appointment will be decided in close co-ordination with the appointment „Materials Research for Photovoltaics“. 
**Associate Director Translational Medicine and Drug Development - Geneva**

Medicines for Malaria Venture (MMV) was established in 1999 as a partnership between the public and private sectors to discover, develop and deliver new antimalarial drugs at prices affordable to developing countries, with a view to ultimately eradicate this terrible disease.

MMV is based in Geneva as an independent not-for-profit Swiss Foundation. It has an entrepreneurial modus operandi and has established a new business model through which it selects and manages its R&D portfolio.

We are looking for a talented Associate Director Translational Medicine and Drug Development to join our scientific staff and contribute to the impact of our scientific programmes.

**Primary duties**
- Assume responsibility for project from candidate declaration to end of phase 1.
- Formulate development project plans in collaboration with clinical development departments.
- Ensure that translational projects meet TPP requirements.
- Assist the Expert Scientific Advisory Committee in selection of development projects; proactively create new partnerships developing new medicines.
- Review assessment reports to support candidate selection.
- Collect and provide information to support project progress to phase and human exposure.
- Ensure that IMP is manufactured to GMP specifications.
- Ensure that animal studies and clinical trials are conducted under GLP / GCP standards and are sufficient to achieve product registration.

**Essential qualifications**
- PhD and/or MD with experience in biochemistry, toxicology, parasitology/ infectious diseases background is an asset.
- Project management and leadership experience in preclinical and early clinical development; at least 5 years of experience that is directly related to the duties and responsibilities specified.
- Knowledge of regulatory framework (GMP, GCP and GLP).

For a detailed job description please visit [www.mmv.org](http://www.mmv.org) Interested applicants should send their complete file before July 31st 2008 to jobs@mmv.org

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**Director Clinical Science - Geneva**

Medicines for Malaria Venture (MMV) was established in 1999 as a partnership between the public and private sectors to discover, develop and deliver new antimalarial drugs at prices affordable to developing countries with a view to ultimately eradicate this terrible disease.

MMV is based in Geneva as an independent not-for-profit Swiss Foundation. It has an entrepreneurial modus operandi and has established a new business model through which it selects and manages its R&D portfolio.

We are looking for a talented Director Clinical Science to join our scientific staff and contribute to the impact of our scientific programmes.

**Primary duties**
- Understand the regulatory environment: Know and respect the regulations surrounding the primary activities of the clinical development projects.
- Management of Drug Safety: Insure that the clinical teams’ handling of all AE’s and SAE’s is according to ICH standards.
- Medical and Scientific: Provide medical input to ensure the scientific quality of the clinical programs.
- Resource Utilization: Operate within time and budget constraints of the clinical program.
- People Development: Work in collaboration with the Medical Director to assist the clinical development team to enhance skills of all members of the team.
- Effective Communication: Communicate project related information including the planning and execution of meetings and presentations.

**Essential qualifications**
- MD, or MD/PhD with at least 3 to 5 years of experience directly related to the duties and responsibilities specified.
- Knowledge of randomized controlled clinical trials principles, methodology, and procedures.
- Knowledge of adverse medical event investigation, analysis, and reporting procedures and standards.
- Knowledge of FDA and EMEA regulatory requirements and ICH/GCP guidelines is preferred.

For a detailed job description please visit [www.mmv.org](http://www.mmv.org) Interested applicants should send their complete file before July 31st 2008 to jobs@mmv.org

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**EDITOR MOLECULAR SYSTEMS BIOLOGY**

Nature Publishing Group (NPG) and the European Molecular Biology Organization (EMBO) jointly publish Molecular Systems Biology, a scientifically outstanding journal that covers all aspects of the interdisciplinary field of systems biology at the molecular level. The journal is faced with rapidly increasing numbers of high quality submissions and we are thus looking for a new EMBO in-house scientific editor.

This is an exciting and challenging opening. The editor will work together with the existing EMBO editorial team, and share responsibility for maintaining its high scientific standards. This will involve intense interactions with prominent researchers together with a high level of responsibility and visibility.

Specific responsibilities will primarily include managing the peer-review process and making decisions on acceptance or rejection. Additionally, the editor will also be engaged in commissioning and editing Reviews, News & Views and Editorials and will work closely with the Journal’s Senior Editors and Nature Publishing Group to implement the journal’s editorial policies and strategies.

This is a great opportunity to continue to work in science and to be intensively exposed to high quality research in the rapidly developing new disciplines of Systems- and Synthetic Biology.

Candidates should have a strong scientific background, a PhD, post-doctoral experience and several publications. They should have a strongly developed interest in Systems Biology, a thorough knowledge of molecular biology and a broad interest in diverse areas of the life sciences. A good working knowledge of English is essential, as are also good communicative skills and an ability to work well in a team.

An initial contract of 3 years will be offered to the successful candidate. This can be renewed, depending on circumstances at the time of review.

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The Nanoscience Cooperative Research Center, CIC nanoGUNE Consolider, located in San Sebastián (The Basque Country, Spain), will open the doors of its own building with state-of-the-art facilities for nanoscience research after summer 2008.

[www.nanogune.eu](http://www.nanogune.eu)
The University Medical Center Freiburg, Germany seeks to recruit an outstanding physician scientist for the position of a

W 3-Professor for Rheumatology and Clinical Immunology (Succession of Professor Dr. H.-H. Peter)

As head of the Division of Rheumatology and Clinical Immunology the candidate will be in charge of teaching, research and patient care in the field. The Division runs a large outpatient clinic as well as an inpatient facility for inflammatory rheumatic diseases and adult immunodeficiencies. The candidate is invited to join ongoing research activities within a Collaborative Research Group for “Immunodeficiency” (SFB620) and a Focus on “Infectious diseases and Immunology” supported by several clinics and institutions of the Medical Faculty and the Max Planck Institute for Immunobiology.

The candidate must possess an MD degree, a board certificate in Internal Medicine and Rheumatology, experience in Clinical Immunology (e.g. “Fachimmunologe” of the German Society for Immunology) and a postdoctoral lecturing qualification (Habilitation or equivalent). Furthermore the candidate is expected to have outstanding credentials in research, teaching and patient care. She/he must have impeccable interpersonal, managerial, and supervisory skills as well as extensive experience in coordinating clinical, educational, and research programs.

The duties and responsibilities in the field of patient care will be subject to a separate employment contract with the University Medical Center Freiburg. The Faculty of Medicine and the University Medical Center intend to reorganize patient care and medical research in new interdisciplinary centers. In this context the Division of Rheumatology and Clinical Immunology will be fully integrated into an innovative Excellence Center for Chronic Immunodeficiency (CCI) supported by the Federal Ministry of Education and Research (BMBF).

The W 3-position is tenured according to § 50 para. 1 State University Law (Landeshochschulgesetz) and available on October 1st, 2009. The University of Freiburg is an equal opportunity employer. Handicapped candidates with equivalent qualifications will be given preference as well.

For application forms please send an E-Mail to dekanat.professuren@uniklinik-freiburg.de. Completed applications along with all pertinent documents should be sent to the Dean of the Medical Faculty, Prof. Dr. med. Christoph Peters, Albert-Ludwigs-University, D-79085 Freiburg (Phone: ++49-761 270-7235/7234, Fax: ++49-761-270-7236) no later than August 31st, 2008.
NRF RESEARCH FELLOWSHIP

The Singapore National Research Foundation (NRF) invites brilliant, young researchers who are ready for their first independent research appointments to apply for the prestigious NRF Research Fellowship Awards.

✓ Are you among the best in your research field?
✓ Are you ready to lead your first independent research team?
✓ Join the ranks of the elite NRF Research Fellows!

Apply now if you have a PhD degree from a reputable university and work at the forefront of research in your field. A prior post-doctoral stint at a renowned university or research organisation would be a great advantage.

The NRF Research Fellowship provides:
• Complete freedom and independence to pursue your research direction in Singapore
• A 3-year research grant of up to US$1.5 million, with a possible extension for another 3 years
• A competitive salary
• The opportunity for joint appointment at the host university or research institution
• Freedom to select the host institution in Singapore

The NRF Research Fellowship is open to all talented scientists and researchers under the age of 39 years at the date of application, and within 10 years post-PhD. We welcome research in all disciplines of science and technology.

Please apply online at the following web-link before 30 September 2008:

Shortlisted candidates will be invited to Singapore to present their research work, meet local researchers and identify potential collaborators and host research organisations. Final selection for the awards will be made by the NRF Scientific Advisory Board co-chaired by Dr Curtis Carlson (President & CEO of SRI International) and Prof. Ulrich Suter (Professor of Polymer Materials, ETH Zurich).

For further queries, please email karen_tan@nrf.gov.sg

About the National Research Foundation

The NRF supports the Research, Innovation and Enterprise Council chaired by the Prime Minister to provide a coherent strategic overview of R&D policies and direction in Singapore. It manages a S$5 billion National Research Fund to develop R&D as a key driver in transforming Singapore into a knowledge and innovation based economy.

Singapore National Research Foundation
100 High Street, #03-02, The Treasury
Singapore 179434
Tel: +65-63329010
Website: www.nrf.gov.sg

ASSISTANT/ASSOCIATE PROFESSOR
DEPARTMENT OF MEDICINAL CHEMISTRY
COLLEGE OF PHARMACY, UNIVERSITY OF MINNESOTA
CANCER EXPERIMENTAL THERAPEUTICS

The University of Minnesota, Department of Medicinal Chemistry in the College of Pharmacy invites applications from outstanding candidates for a twelve-month, full-time, tenure-track Assistant Professor or tenured Associate Professor position. The University seeks applicants with a Ph.D. degree in medicinal chemistry or related fields and the potential to develop or record of creating a nationally recognized, externally funded research program in medicinal chemistry with an emphasis on the development of experimental therapeutics for treating cancer. Department of Medicinal Chemistry at the University of Minnesota is equipped with extensive resources for drug discovery including chemical process development core, high throughput screening facility, X-ray crystallography, and modern biosynthetic facilities. The successful candidate will interface with basic scientists and clinicians in the Comprehensive Cancer Center at the University of Minnesota in an effort to enhance the discovery and development of experimental therapeutics and will participate in teaching professional students in the College of Pharmacy and graduate level courses in the Department of Medicinal Chemistry. To apply, please go to www.pharmacy.umn.edu/employment for application instructions and links. Review of completed applications will begin immediately and will continue until the position is filled. For specific questions regarding this position, please contact the Search Co-Chairs, Dr. David M. Ferguson (ferguson@umn.edu) and Dr. Natalia Tretyakova (trety@umn.edu).

Details about the Department and the position can be found at:
www.pharmacy.umn.edu/medchem

For additional information, please visit the following links:
Institute for Therapeutics Discovery and Development:
http://www.pharmacy.umn.edu/medchem/ITDD.html
and Masonic Cancer Center: http://www.cancer.umn.edu/about/

Regional Project Coordinator
United Nations Development Programme

The United Nations Office for Project Services seeks a highly qualified Regional Project Coordinator to implement UNDP’s Sustainable Management of the Shared Living Marine Resources to the Caribbean Large Marine Ecosystem (CLME) and Adjacent Regions, based in Cartagena, Colombia. This United Nations Development Programme effort is funded by the Global Environment Facility and executed by the United Nations Office for Project Services.

The deadline for applications is 25 July 2008.

For details on this and other positions please visit the UNOPS website:
www.unops.org and see Employment Opportunities.

United Nations Office for Project Services

UNOPS helps its partners meet the world’s needs for building peace, recovering from disaster, and creating sustainable development. UNOPS recruits staff for a broad range of complex and demanding projects around the globe.
Tenure/Tenure-Track Positions in Virology and Immunology

Laboratory of Virology

Rocky Mountain Laboratories, Hamilton, Montana
National Institute of Allergy and Infectious Disease / National Institutes of Health
Department of Health and Human Services

The National Institute of Allergy and Infectious Diseases (NIAID), Division of Intramural Research (DIR), Laboratory of Virology (LV), Rocky Mountain Laboratories (RML), NIH, DHHS, in Hamilton, Montana, seeks applicants for one or two tenure-track/tenured positions (assistant/associate professor equivalent) to conduct independent research on viral agents requiring high or maximum containment.

The LV conducts high-impact, innovative scientific research on viral agents requiring high or maximum containment, including filoviruses, bunyaviruses, arenaviruses, and flaviviruses with the goal of developing diagnostics, vaccines, and therapeutics. The research conducted in the LV includes studies of vector/reservoir transmission, pathogenesis, pathophysiology and host immune response of high containment viral pathogens. Candidates must be able to develop an independent research program, supervise staff and fellows, and collaborate with RML/DIR researchers working on other viral diseases.

One selected candidate is expected to implement and direct a vigorous, independent research program in molecular virology, antivirals, or vectors and virus transmission of agents requiring high or maximum containment. Fieldwork and ecological studies is a desirable component of these research programs.

The other selected candidate is expected to implement and direct a vigorous, independent research program in host immune responses and/or vaccines against viral agents requiring high or maximum containment. This program is expected to include studies of innate and adaptive immune responses in animal models.

Candidates for either position must hold a Ph.D., D.V.M, or M.D. degree and have a minimum of 3 years of relevant postdoctoral experience. Independent resources including space, support personnel, and an annual budget for services, supplies, and salaries are committed to the positions. Facilities at existing NIAID field sites in Africa and Asia may be available to the incumbents, and support for field work and ecological studies at new sites is possible. These are appointments under Title 42. Salary is dependent on experience and qualifications.

RML’s state-of-the-art facilities include an operational BSL-3 facility, a BSL-4 laboratory and animal facility nearing completion that can accommodate work with both small animal and non-human primate models, and core facilities for genomics, electron microscopy, and flow cytometry. Other RML research programs focus on prions, retroviruses, numerous pathogenic prokaryotic organisms and pathogen transmission by arthropod vectors. RML is located in the scenic Bitterroot Valley of western Montana within easy access to some of the finest outdoor recreational opportunities in North America. Additional information on the positions can be obtained by contacting Dr. Marshall E. Bloom at mbloom@niaid.nih.gov.

Application Process: To apply, submit a curriculum vitae and bibliography, including a list of your five most significant papers and a 2-3-page description of a proposed research program via e-mail to Wanda Jackson at NIAID.DIR.Search@niaid.nih.gov. In addition, three letters of recommendation must be sent directly from the referees to Dr. Jeffery Taubenberger, Chair, NIAID Search Committee, c/o Wanda Jackson at NIAID.DIR.Search@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room 4A22, Bethesda, Maryland 20892-1356. E-mail is preferred. Completed applications will be reviewed starting September 1, 2008. Please refer to ad #023 on all correspondence. Further information regarding LV is available at http://www3.niaid.nih.gov/labs/aboutlabs/LV/ and information about the DIR laboratories is available at http://www3.niaid.nih.gov/about/organization/dir/default.htm and information about working at NIAID is available at http://healthresearch.niaid.nih.gov.

Applicants must be U.S. citizens, resident aliens, or nonresident aliens with or eligible to obtain a valid employment-authorizing visa.
**Postdoc Position**

A funded post-doctoral fellowship is currently available at the Center for Cancer Research (CCR), National Cancer Institute (NCI), Frederick, MD for a productive, highly-motivated, and energetic individual. The opening is for a project studying the relationship between T cell avidity and tumor immunity using novel murine models. A dynamic research environment and outstanding resources at NCI-Frederick are available for enthusiastic individuals. Requirements include an M.D., Ph.D., or equivalent degree and experience in Immunology research. Candidate must have excellent verbal, written, communication and organizational skills and an ability to handle multiple projects simultaneously. Experience with mouse models is preferred. More information on research projects can be found at [http://ccr.cancer.gov/staff/staff.asp?profileid=7740](http://ccr.cancer.gov/staff/staff.asp?profileid=7740). Interested individuals should send their CV and a letter of research interests to Dr. Andy Hurwitz: hurwitza@ncifcrf.gov.

**Chief, Chemical Biology Laboratory**

Application Deadline: September 15, 2008

NCI is seeking an outstanding, internationally recognized scientist to serve as Chief of the Chemical Biology Laboratory (CBL) in the Center for Cancer Research (CCR). The position, which is the equivalent of an academic Department Chair, is a key component of a major initiative to build CCR’s chemistry program at the Frederick campus ([http://www.ncifcrf.gov](http://www.ncifcrf.gov)). The CBL Chief will play a leading role in developing an integrated program of chemistry, structural biology, and lead compound discovery that both promotes the application of chemical biology approaches across CCR’s research portfolio and interfaces with the Division of Cancer Treatment and Diagnosis’s Chemical Biology Consortium. In addition to institute-wide responsibilities, the CBL Chief will direct an extensive individual research program that will complement and augment CCR expertise in chromosome biology, immunology, HIV/AIDS, cancer biology and molecular oncology, areas in which its Centers of Excellence have been established. Supported with stable financial resources, the CBL will have access to a wide array of intellectual and technological assets, including high-quality technology cores dedicated to protein chemistry, natural products chemistry, biophysics, mass spectrometry, imaging, microscopy, proteomics and genomics, bioinformatics/biostatistics, and flow cytometry, in addition to clinical support.

The National Cancer Institute (NCI) is part of the National Institutes of Health (NIH) in the Department of Health and Human Services (DHHS), a federal government agency. CCR is the largest component of the NCI Intramural Research Program, providing an environment conducive to advancing translational research and collaborative interactions through investigator-initiated and interdisciplinary team science. Additional information on CCR research priorities can be found at: [http://ccr.cancer.gov](http://ccr.cancer.gov).

In addition to a Ph.D. or M.D./Ph.D. degree in a relevant discipline, applicants should possess outstanding communication skills and documented leadership experience. Tenured faculty or industrial scientists of equivalent rank with a demonstrated commitment to chemical biology should apply. Salary will be commensurate with experience and accomplishments. Applications should include a description of research interests and leadership philosophy, career synopsis, and current curriculum vitae with complete bibliography.

Applications should be postmarked or received by email at cortnerj@mail.nih.gov by September 15, 2008. Send applications to: Stuart Le Grice, Ph.D., Chair, Chemical Biology Laboratory Search Committee, c/o Janelle Cortner, Ph.D., Building 428, National Cancer Institute at Frederick, Frederick MD 21702. DHHS, NIH and NCI are Equal Opportunity Employers.

**Postdoc Positions**

Two post doctoral positions are available immediately in the Laboratory of Cellular and Molecular Biology (LCMB) and the Laboratory of Cellular Developmental Signaling (LCDS), Center for Cancer Research (CCR), National Cancer Institute (NCI), National Institutes of Health (NIH), Department of Health and Human Services (DHHS). The fellows in these positions will participate in a multi-disciplined program focused on understanding the function and regulation of Arf GTPase-activating proteins in cell adhesion and migration associated with development and cancer cell invasion and metastasis.

**Position 1:** Arf GTPase-activating proteins in Xenopus laevis development. This project will focus on the ARAP proteins, which are dual Arf GAPs/Rho GAPs that occur only in invertebrates. The ARAPs regulate cell adhesive structures, the actin cytoskeleton and trafficking of transmembrane receptors. The Xenopus system will be used to determine how the role of ARAPs in cell adhesion and migration affect morphogenetic processes in vivo.

**Position 2:** ARAPs and ASAPs control of focal adhesions and invadopodia in mammalian cells. Several Arf GAPs, including ASAP1, ASAP2 and Arf2 regulate focal adhesions and control cell migration. ASAP1 also associates with invadopodia, structures that mediate invasion of cancer cells. Biochemical and imaging techniques, including confocal and total internal reflection microscopy, will be used to determine molecular mechanisms underlying Arf GAP control of the formation and turnover of these structures.

Candidates interested in position 1 should send a cover letter, CV including bibliography and contact information for three references to: Ira O. Daar, PhD, LCDS, NCI-Frederick, Building 560, Frederick, MD 21702, e-mail: daar@ncifcrf.gov.

Candidates interested in position 2 should send materials to Paul A. Randazzo, M.D., Ph.D., LCMB, NCI, Building 37, Room 2042, Bethesda, MD 20892, e-mail: randazzp@mail.nih.gov. Salary is commensurate with research experience and accomplishments.
THE POSITION: The NIH is seeking exceptional candidates for the position of Director, NIEHS, to provide leadership to one of the preeminent centers for environmentally-related research in the world. The Director, NIEHS, also serves in a dual role as the Director, National Toxicology Program, and in this role reports to the Secretary, Department of Health and Human Services (DHHS). This position offers a unique opportunity for the right individual to provide strong and visionary leadership to an organization dedicated to reducing the burden of human illness and dysfunction from environmental causes by understanding each of these elements and how they interrelate. The Director will manage a high-level complex organization and must demonstrate integrity and fairness, adhering in work and behavior to the highest ethical standards, and upholding the highest standards of scientific research and/or business practices. Applicants must possess an M.D. and/or Ph.D. and have senior-level research experience and knowledge of research programs in one or more scientific areas related to environmental effects on human health and/or toxicology research. They should be known and respected within their profession, both nationally and internationally, as individuals of outstanding scientific competence. Salary is commensurate with experience, and full Federal benefits, including leave, health and life insurance, retirement and savings plan (401K equivalent) will be provided. A detailed vacancy announcement that includes application procedures is available at http://www.jobs.nih.gov (under Executive Jobs). NIEHS is located in Research Triangle Park (RTP), North Carolina. Questions may be addressed to Ms. Lynnita Jacobs at: SeniorRe@od.nih.gov. CV and bibliography must be received by 11:59 p.m. Monday, August 4, 2008.
Berkeley Lab is a world leader in science and engineering research, with 11 Nobel Prize recipients, and 60 present members of the National Academy of Sciences. Berkeley Lab conducts unclassified research across a wide range of scientific disciplines and hosts four national user facilities, www.lbl.gov.

**Helios Staff Scientist**

The Helios Solar Energy Research Center (SERC) at Berkeley Lab invites applications for a Staff Scientist in the field of solar fuel generation by engineered materials (artificial photosynthesis).

This role oversees multi-disciplinary research directed towards the development of novel, nano-scale systems for the conversion of solar energy to fuel. Funding is provided and includes support for research staff.

Research areas of primary interest include:

- Innovative nanoscale photocatalysts tuned to support catalytic activities
- Development of improved catalysts to split water and/or to reduce carbon dioxide
- Development of nanoporous or other platforms to support the components

The Staff Scientist may join an existing group project area or create an independent program and will be responsible for performing original and relevant research. The candidate will also be expected to directly supervise professional and technical support staff and prepare scientific data for publication.

Please visit http://jobs.lbl.gov and enter 21885 in the search field to view the job details and to apply.

Berkeley Lab is an Affirmative Action/Equal Opportunity Employer committed to the development of a diverse workforce.

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**ZICKLIN PROFESSORSHIP IN BIOLOGY**

The Biology Department at Brooklyn College has received an endowment to help support a microbiologist. This position is available at the Associate or Full Professor level, depending upon qualifications. Applicants are expected to have a productive research record and a desire to teach at an urban institution in an expanding department. We expect the successful candidate to show leadership in developing a graduate specialization in microbiology, as well as to teach, and to establish a funded research program at Brooklyn College. Participation in the CUNY biology doctoral program is required, and participation in the CUNY doctoral program in biochemistry is also possible.

A Ph.D. in one of the biological sciences or a M.D. Degree and an established and continuing record of publications in peer-review journals. The successful candidate should have a well-defined independent research program that will generate external funding and provide research training for undergraduate and graduate students; a history of external funding; effective communication skills that will enable the candidate to teach at the undergraduate and graduate levels, and teaching experience in microbiology and/or related areas. Review of resumes will begin on 9/1/08 and continue until the position is filled.

Please send curriculum vitae, three letters of recommendation, and a letter of interest as one package to: Michael T. Hewitt, Assistant Vice President for Human Resource Services, Brooklyn College, 2900 Bedford Avenue, Brooklyn, NY 11210-2889.

For additional information please see our website at www.brooklyn.cuny.edu

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**Vice-Chair for Research/Open Rank**

The Department of Anesthesiology, University of Texas Health Science Center at San Antonio, Texas (UTHSCSA) invites nominations and applications for the open rank position of Vice-Chair for Research. As the chief research officer for the department, the VCR is responsible for implementation of the research vision, the overall management of departmental research activities, and the administration of sponsored research. The VCR will engage in multidisciplinary collaboration within UTHSCSA—a national/international reputation as a distinguished scientist with evidenced by an ability to mentor junior faculty, scientists, residents, and students. The candidate must be a critical and strategic thinker and a visionary leader who can develop and enhance the research enterprise; and one who can demonstrate expertise in crafting interdisciplinary proposals and negotiating multi-faceted awards. One or more currently funded NIH grant(s) and experience in translational research is highly desirable. Given the excellent research infrastructure in neurobiology at UTHSCSA, research experience in pain medicine would be a plus.

Qualifications for this position include an M.D., M.D.-Ph.D., or Ph.D. degree in an appropriate field of study. The successful candidate will have a national/international reputation as a distinguished scientist with an outstanding record of research accomplishments; a proven track record of directing a research enterprise; outstanding communication skills as evidenced by an ability to mentor junior faculty, scientists, residents, and students. The candidate must be a critical and strategic thinker and a visionary leader who can develop and enhance the research enterprise; and one who can demonstrate expertise in crafting interdisciplinary proposals and negotiating multi-faceted awards. One or more currently funded NIH grant(s) and experience in translational research is highly desirable. Given the excellent research infrastructure in neurobiology at UTHSCSA, research experience in pain medicine would be a plus.

For more information, please visit our website at www.anesthesia.uthscsa.com. To apply or nominate a candidate for the position of Vice-Chair for Research, Department of Anesthesiology, U.T. Health Science Center at San Antonio, please submit a current CV, supporting documents, and names and addresses of five references to: Jeffrey Andrews, M.D., Chair, Department of Anesthesiology – MSC 7838, U.T. Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229.

All faculty appointments are designated as security sensitive positions. The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.

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**Postdoctoral Fellowships**

For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using human genetic information to develop novel medicines for serious and life-threatening diseases.

The Genentech Process Research and Development organization is offering Postdoctoral Fellowships in an academic setting to support promising university research that can be applied to advance its technologies for process development and for production of recombinant protein pharmaceuticals. Proposals for Fellowship support of any topic contributing to this goal are welcome, especially novel approaches to expression, purification, analysis, formulation and manufacturing technology. Applications are invited for standard awards of $80,000 for one year, renewable for a second year.

To apply and for complete details, please visit careers.gene.com and reference Requisition #1000023452. Use “Ad – Science” when a source is requested. Inquiries can be directed to Adelle Lahse at lohse.adelle@gene.com.

Genentech is an equal opportunity employer.
University of Alaska Fairbanks

SENIOR SCIENTIST:
Biomedical Research

Applications are invited for a senior faculty position to strengthen biomedical and behavioral health research at the University of Alaska Fairbanks. The successful candidate must hold a doctoral degree from an accredited institution and have an established research program that will complement one or more of our research focus areas in neuroscience, Alaska Native health, toxicology, infectious disease, prevention of chronic disease and psychosocial disorders, and adaptations to high latitudes. Candidates conducting research in areas that address the health needs of northern peoples or exploit research opportunities inherent at high latitudes are encouraged to apply. Demonstrated ability to attract NIH funding is essential.

This individual will collaborate with and mentor junior researchers as well as post-doctoral and graduate students. Suitably qualified candidates with experience in research program development, administration, and strategic planning may elect to be considered for DIRECTORSHIP of either the Alaska Basic Neuroscience Program (funded through a Specialized Neuroscience Research Program award) or the Center for Alaska Native Health Research (funded through a Centers of Biomedical Research Excellence award). To be considered as director of CANHR the applicant must have expertise in community-based participatory research.

Salary is commensurate with experience. Departmental and institute appointments for successful candidates will be available as appropriate. For more information about this position, please contact Associate Vice Chancellor for Research John Blake at 907-474-5188 or j.blake@uaf.edu. Applications will be reviewed starting August 30, 2008 and screened until the position is filled. Visit www.uakjobs.com for complete application instructions. For more information about this position visit www.uaf.edu/research.

THE UNIVERSITY OF ALASKA IS AN EEO/AA EMPLOYER AND EDUCATIONAL INSTITUTION 7/08.
**Faculty Position**

Linde Center . Global Environmental Science . Caltech

Following the endowment of the Ronald and Maxine Linde Center for Global Environmental Science, the California Institute of Technology invites applications for faculty positions in Environmental Science and Engineering, with a focus on climate science. Terms of the initial appointment as assistant professor are four years and contingent upon completion of the Ph.D. Exceptionally qualified applicants may also be considered at the associate or full professor level.

Our focus is on candidates who have an outstanding research record and a strong commitment to teaching. We have the opportunity to make more than one appointment; areas of interest include (but are not limited to):

- Physical Oceanography
- Glaciology and Sea Ice Dynamics
- Cloud Physics and Dynamics
- Global-Scale Biogeochemistry

Please visit [www.ese.caltech.edu/climate](http://www.ese.caltech.edu/climate) for instructions on how to apply. For information about the Linde Center, visit [www.lindecenter.caltech.edu](http://www.lindecenter.caltech.edu).

**CALIFORNIA INSTITUTE OF TECHNOLOGY**

Linde Center for Global Environmental Science

Caltech is an Equal-Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

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**Professor and Chair of Biomedical Engineering**

University of California – Davis

The College of Engineering at the University of California, Davis, invites applications for Chair, Department of Biomedical Engineering. The Department of Biomedical Engineering is the newest Department in the College of Engineering. Over the last 8 years, 18 new faculty have been recruited, with research expenditures now exceeding $10M per year. A new undergraduate major has been developed and the Department also plays an integral role in the interdisciplinary campus-wide Biomedical Engineering Graduate Group. The Department has existing strengths in the areas of cellular and molecular engineering, micro- and nanosystems, biomedical imaging, therapeutics, and computational and systems biology, with an integrating theme of molecular and/or genetically based approaches to the measurement and modeling of biological systems, and to the diagnosis and treatment of disease.

The college is seeking a senior distinguished scholar with an international reputation and an outstanding research record in Biomedical Engineering. Candidates should have a Ph.D. in Biomedical Engineering, or a closely related field, evidence of leadership ability, a commitment to excellence in teaching and a history of service to the field. Candidates whose research interests complement, yet clearly extend, existing research strengths are particularly encouraged to apply.

Interested candidates should submit all materials via the web-based online submission system ([www.http://bmejobs.ucdavis.edu/](http://bmejobs.ucdavis.edu/)). Required materials include a curriculum vitae, a 1-page vision statement regarding the future of biomedical engineering, brief statements of their accomplishments and priorities in research and teaching, and the names and contact information for at least five evaluators who have agreed to write letters of reference. Inquiries can be directed to the chair of the search committee at bme-chair@ucdavis.edu. The deadline for full consideration is September 8, 2008 although applications will be accepted until the position is filled.

UC Davis is an Affirmative Action/Equal Employment Opportunity Employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.

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**Eastern Illinois University**

invites applications for** Chair, Department of Biological Sciences, 12 mo position beginning July 1, 2009. The Chair is responsible for administration of all instructional programs in Biological Sciences. The Department includes 25 tenured/tenure track faculty and large undergraduate and graduate programs. Qualifications include a Ph.D. in Biological Sciences or a related field with a teaching, research and service record commensurate for tenure and the rank of full professor. Candidates must have a strong commitment to undergraduate and graduate programs and the advancement of faculty/student mentoring and research programs.

For more information on this position and application instructions, see the website at:

[www.eiu.edu/~civil/employment.htm](http://www.eiu.edu/~civil/employment.htm)

*AA/EOE*

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**Dean of the College of Agricultural Sciences, Colorado State University**

Colorado State University (CSU) seeks a visionary Dean for its College of Agricultural Sciences. The College is poised for major University investments and an expansion of faculty to supply world class science in support of industries on the forefront of 21st century agriculture. Applicants must have an earned doctorate and a distinguished record of performance consistent with appointment as a tenured Full Professor.

Applications will be accepted until the position is filled. For full consideration, applications should be submitted electronically by October 15, 2008. Applicants should send a letter expressing interest and qualifications for the position; a separate two-page philosophy of education, research, leadership and management; curriculum vitae; and the names, e-mail addresses, addresses, and phone numbers of five references to: Lance Perryman, Dean, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO 80523-1601; lance.perryman@colostate.edu; phone 970.491.7081.

General information about CSU and the College of Agricultural Sciences can be accessed at [www.colostate.edu](http://www.colostate.edu) and [www.agsci.colostate.edu/strategicplan/intro.htm](http://www.agsci.colostate.edu/strategicplan/intro.htm).

CSU is an EEO/AA Employer.
Faculty Position: Melanoma Research

The Donald A. Adam Comprehensive Melanoma Research Center at the Moffitt Cancer Center and Research Institute is seeking laboratory-based faculty members with a Ph.D., M.D. or M.D.-Ph.D. with an interest in melanoma research. The prospective candidates will be appointed at the Assistant, Associate or Senior Member level, and it is expected that they would establish an independent funded laboratory research program concentrating on translational melanoma investigation in the fields of genetics, signal transduction, microenvironment, apoptosis or the cell cycle.

An outstanding start-up plan is available, as well as a highly competitive salary package with excellent lab space. A specific attraction is the opportunity to interact with ongoing well funded research programs in translational immunology/immunotherapy, drug development, population science and molecular oncology. The Comprehensive Melanoma Research Center will bring together clinicians, basic and translational scientists at Moffitt to aggressively pursue new ideas in the etiology, treatment and prevention of melanoma. At the Moffitt Cancer Center, significant growth in basic and translational research, in laboratory space resources and faculty recruitment will occur in the next decade as a high priority.

Faculty of the Moffitt Cancer Center are eligible for academic appointments at the University of South Florida College of Medicine. Academic rank is commensurate with qualifications and experience.

Please reference position no. MRR101. Interested candidates should send curriculum vitae and a brief statement of major academic interests in one single .pdf document to Kathleen.jordan@moffitt.org, or apply online moffittcareers.org.

Tenure-track or Tenured Position in Geochronology, Petrology and Geodynamics

The Department of Geological and Environmental Sciences seeks an outstanding scientist to lead a vibrant research program in the broad areas of geochronology, petrology and geodynamics in order to address large-scale petrologic and tectonic processes in the Earth’s crust and mantle. Our preference is to make an appointment at the junior or mid-career level, but applications from scientists at all career levels will be considered. The successful applicant will build on newly established and longstanding strengths in geochronology, tectonics, and isotope geochemistry within the Department, interface with solid-earth processes, crustal evolution, seismology and other areas in the School of Earth Sciences, and teach at the undergraduate and graduate level.

We especially welcome applications from scientists who integrate geochemical/petrological and/or physical/computational approaches to problem solving.

The Stanford School of Earth Sciences houses a full range of isotope geochemistry/geochronology/thermochronology facilities. These feature the Stanford-USGS SHRIMP-RG ion microprobe and associated TIMS laboratory; a new multi-collector ICP-MS and high-resolution ICP-MS facility supported by newly commissioned clean labs; new \(^{40}\text{Ar}/^{39}\text{Ar}\) and (U-Th)/He, and fission-track thermochronology laboratories containing multi-collector and single-collector mass spectrometers and state-of-the-art extraction lines; and cosmogenic radionuclide laboratories. In addition, an electron microprobe, a scanning electron microscope with EDAX and cathodoluminescence imaging, and sample preparation and mineral separation laboratories are available. Related facilities include stable isotope laboratories, ICP-AES and GC-MS capabilities, high-pressure experimental capabilities including a diamond-anvil cell laboratory, and the recently established Center for Computational Earth and Environmental Science.

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

Please apply online in electronic format (.pdf only) with the following application material: cover letter, curriculum vitae, a statement outlining research and teaching experience and interests, and the names and addresses (including e-mail addresses) of three potential referees, at http://pangea.stanford.edu/jobs/. Select the Geochronology, Petrology and Geodynamics faculty position.

Questions can be directed to Elizabeth Miller
(elmiller@stanford.edu)

We will begin reviewing applications September 30, 2008. Deadline for receipt of applications is November 30, 2008.
RESEARCH CHEMISTS – GERIATRIC ENDOCRINOLOGY AND METABOLISM
Veterans Health Administration
Washington, D.C., Veterans Affairs Medical Center

The Washington, D.C., Veterans Affairs Medical Center seeks two outstanding candidates (GS-13) for positions as full-time Research Chemists in geriatric endocrinology and metabolism in the laboratory of the Associate Chief of Staff for Research and Development (R&D), in the Research Service of the Washington, D.C., VA Medical Center campus. Applicants must possess a Ph.D. and/or M.D. degree.

The successful candidates will have research skills in molecular biology, genomics, muscle, fat, and/or vascular biology related to obesity, diabetes, exercise physiology, nutrition, and/or gonadal steroid and growth hormone axis physiology. She/he will be expected to conceptualize, write, and conduct new laboratory-oriented research protocols, and to compete successfully for research funding from federal and/or private agencies. A strong publication record in laboratory research is required. Interdisciplinary research collaborations in endocrine-metabolic, geriatric, cardiovacular, and exercise rehabilitation research will be conducted at the Washington, D.C., VA Medical Center, and in partnership with the Baltimore VA Medical Center’s Geriatric Research Education and Clinical Center (GRECC) (http://grecc.buffalovm.org), the Independence Center, NIH Clinical Nutrition Research Unit, Diabetes Research and Training Center, and Rehabilitation Research Center.

The GS-14 will serve as the principal laboratory-based scientist conducting basic research related to geriatric endocrinology and metabolism under the supervision of the ACOS R&D, and will serve as the Laboratory Director. The GS-13 will also serve as a scientist-laboratory-based scientist conducting basic research in geriatric endocrinology and metabolism and will, with the Laboratory Director and ACOS R&D, co-supervise the laboratory’s other scientists, fellows, students, and other trainees.

The Research Service at the Washington, D.C., VA Medical Center provides contemporary laboratory, translational, and clinical research facilities in addition to a collegial and nurturing working environment.

Rank and salary will be commensurate with experience. Candidates should forward a resume, one-page letter of interest and the names and contact information of three references to: Human Resources Department (05), 50 Irving Street NW, Washington, DC 20422, Attention: Ms. Cheryl Williams, e-mail: cheryl.williams3@va.gov; telephone: 202-475-8000 ext. 7333. Academic inquiries should be addressed to: Dr. Marc Blackman, e-mail: marc.blackman@va.gov; telephone: 202-745-8000 ext. 8478.

This announcement will remain open until filled.

The Washington, D.C., VAMC does not discriminate in employment on the basis of race, color, religion, sex, national origin, political affiliation, sexual orientation, marital status, disability, age, membership in an employee organization, or other nonmerit factor. The Washington, D.C., VAMC provides reasonable accommodation to applicants with disabilities who appropriate.

POSTDOCTORAL POSITION

Postdoctoral position in cellular and molecular immunology to study mechanisms contributing to immune regulatory effects of helminth infection on type 1 diabetes. Highly motivated researchers having experience using mouse models to investigate the immunology of infectious disease and/or study immune regulatory mechanisms are preferred.

Please submit curriculum vitae and three letters of reference to: e-mail: gausw@umdjn.org, William C. Gaus, Ph.D., Department of Biochemistry and Molecular Biology, Drexel University College of Medicine, Philadelphia, PA. E-mail: gausw@umdjn.org. See website: http://www.r3web.com/Engnog/Noguchi%20Lab.html.
The Department of Physics at The University of Texas at Austin is seeking candidates for a tenure-track assistant professorship position starting in September 2009. Successful candidates will assume full teaching responsibilities for undergraduate and graduate courses in physics. In particular, they should arrange for at least five letters of reference and provide a statement of research interests, a research plan, and a curriculum vitae. Interested applicants should send their applications to:

Chair, Department of Physics
The University of Texas at Austin
1 University Station
C1600, Austin, TX 78712-0264

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.

Haub School and Ruckelshaus Institute of Environment and Natural Resources invites applications and nominations for the newly created WYOMING EXCELLENCE/SPICER DISTINGUISHED CHAIR IN ENVIRONMENT AND NATURAL RESOURCES. We seek an individual with an exceptional record of teaching and/or equivalent practitioner experience, public outreach and scholarship in environment and natural resources management and policy, with an emphasis on conflict resolution and collaborative processes. The successful candidate will be expected to establish a strong, funded research program, as well as teach at the graduate and undergraduate levels. The Chair will provide leadership and vision for interdisciplinary curricula at the graduate and undergraduate levels in the area of environment and natural resources, conflict resolution and collaborative processes. The position will be a joint appointment with the Haub School of Environment and Natural Resources and another appropriate UW department appropriate for the background of the successful candidate. The Haub School is an interdisciplinary program that seeks to transcend disciplinary boundaries and examine complex environmental and natural resource issues from the full range of perspectives. The Strong candidates may come from a number of backgrounds, such as law, economics, business, natural resources, etc.

Minimum qualifications include: an earned doctorate or other terminal degree; a distinguished record of scholarship commensurate with an appointment at the rank of Associate or Full Professor in one of UW’s academic departments; strong research credentials at the intersection between conflict resolution/collaborative processes and environment/natural resources issues.

Preferred qualifications include: experience as a practitioner of collaborative process and conflict resolution; demonstrated expertise in public outreach.

Interested applicants are requested to submit electronically: a letter of application; curriculum vitae; statement of research and teaching philosophy; teaching evaluations (if applicable); contact information for three professional references to: Chair, Spicer Chair Search Committee, c/o Nancy Hoffer, Haub School of Environment and Natural Resources, nhoffer@uwyo.edu. The search committee will begin reviewing applications on October 1, 2008 and will continue until the position is filled.

Persons seeking admission, employment or access to programs of the University of Wyoming shall be considered without regard to race, color, religion, sex, national origin, disability, age, veteran status, sexual orientation or political belief.
The Center for Neuropharmacology and Neuroscience offers a highly motivated individual with a strong background in the electrophysiology of neurodegenerative disorders. We are particularly interested in building a program focused on the etiology and pathophysiology of neurodegenerative disorders. We also welcome candidates having expertise in substance abuse research, which is a priority for the health sciences campus.

The successful candidate will possess a Ph.D. in immunology, neuroscience, biochemistry, microbiology, neurology, neurodegenerative disease, or related field and have experience as a study director in a contract research organization. To apply, please send resume to douglas.hooper@jefferson.edu. This position reports to headquarters in Indianapolis, Indiana, and requires extensive travel and work throughout the United States. Must have a Ph.D. or equivalent in pharmacology, toxicology, or related discipline and three years of experience in an international company within the global chemical, preclinical development, and regulatory safety testing industry as a business development manager, marketing manager, or related occupation. Experience in this area is strongly encouraged.

As of the position's posting date, the position is filled.

E-mail: pasteurus@aol.com. Website: http://www.pasteurfoundation.org.

MARCUS OF BUSINESS DEVELOPMENT
Harlan, Sprague, Dawley, Inc., is a global provider of preclinical research tools, research models, and services. We currently have an opening for a Manager of Business Development to manage sales and business developers to drive profitable growth and provide service excellence to customers within the international research and toxicology chemical development market. This position reports to headquarters in Indianapolis, Indiana, and requires extensive travel and work throughout the United States. Must have a Ph.D. or equivalent in pharmacology, toxicology, or related discipline and three years of experience in an international company within the global research and toxicology chemical development market. The successful candidate will possess a Ph.D. in immunology, neuroscience, biochemistry, microbiology, neurology, neurodegenerative disease, or related field and have experience as a study director in a contract research organization. To apply, please send resume to e-mail: mccarty@harlan.com. Please reference CROMBID in subject line. Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP
Institut Pasteur, Paris, France

Come work in Paris at the Institut Pasteur, a world-renowned, private, biomedical research organization! We invite applications from outstanding Fellowship candidates to any of 128 laboratories within our 10 departments. Areas include: developmental and cell biology, epidemiology, immunology, genomics, genetics, microbiology, neuroscience, structural biology, parasitology, mycology, virology, and more. Deadlines vary; see website for details. Annual package is $70,000 for three years. U.S. citizenship required.

E-mail: pasteurus@aol.com. Website: http://www.pasteurfoundation.org.

POSTDOCTORAL POSITION
NEURO-Oncologic Neurosurgery
Thomas Jefferson University/Jefferson Medical College

The Department of Neurological Surgery at Thomas Jefferson University is seeking a motivated individual to investigate vaccine candidates in animal glioma models as part of a multidisciplinary group studying brain tumor immunity in patients and in animal models. The successful candidate will possess a Ph.D. in immunology with an interest in neuroimmunology and/or tumor vaccine development as well as expertise in the analysis of T cell function. Interested individuals should forward their curriculum vitae, along with a list of three references, to David W. Andrews, M.D., FACS. E-mail: d.w.andrews@jefferson.edu.

The University of Toledo is an Equal Access, Equal Opportunity/Affirmative Action Employer: women and minorities are encouraged to apply.