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From the journal Science

POSITIONS OPEN

FACULTY POSITION
Medical Oncology Division
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The University of Southern California

The USC/Norris Comprehensive Cancer Center is seeking aquéous to holder and conduct a transla- active program in translational research in the area of breast cancer. The prospective candidate will be ap- pointed at the ASSISTANT/ASSOCIATE PROFESSOR level in the Department of Medicine, Keck School of Medicine at the University of Southern California, Los Angeles, and will be expected to be an integ- ral participant and member of the Women’s Cancer Program at the Cancer Center. There is a competitive startup and salary package with excellent with excellent research in- terests in molecular immunology, host-pathogen in- teractions, vaccine development, and animal models for translational studies.

The successful candidate is expected to develop and maintain independently funded research programs in infectious diseases or a related field. The position re- ports to the co-directors of the Center of Excellence for Infectious Diseases.

Minimum qualifications: M.D. or Ph.D. degree in a related field and at least three years of postdoctoral experience with a strong publication record.

Preferred qualifications: Candidates with fund grant support and experience in emerging infectious diseases and cutting edge technologies are particularly encouraged to apply.

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Manjunath Swamy, M.D.
E-mail: manjunath.swamy@ttuhsc.edu or
Premlata Shankar, M.D.
E-mail: premlata.shankar@ttuhsc.edu
Co-Directors of the Center of Excellence for Infectious Diseases

The positions are open until filled. Application re- view will begin immediately.

STANFORD UNIVERSITY
Neurosciences Virus Core Facility Director
The Stanford Institute for Neuro-Innovation and Translational Neurosciences (SINTN) is seeking candidates for a high- ly motivated individual with demonstrated experience in microbiology, molecular biology, and biogeochemistry. The successful candidate will join a multidiscipli- nary team of investigators conducting translational research to elucidate and understand the expressed activities and ecology of microorganisms in support of U.S. Department of Energy missions. The successful candidate will participate in a wide variety of projects ranging from the microbial ecology of contaminated environments to the genetics, physiology, and scale-up of biological energy production.

Qualifications: The position requires a completed B.S. or M.S. degree in a relevant field and demonstrated experience in microbial microbiological techniques, mol- lecular biology, and microscopy, and analytical chemistry. The successful candidate must possess excellent written and oral communication skills.

To apply: Qualified applicants are encouraged to submit a cover letter, detailed curriculum vitae, and ref- erence job number PR-EX-2009-00141 at the SRNL Recruiting Office at e-mail: srrnlresearchrecruiting@ srnl.doe.gov.

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U.S. citizenship is required. This appointment is open to all qual- ified U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam- era veteran or disabled veteran.

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LOOKING UP IN A DOWN MARKET: CAMBRIDGE, OXFORD, AND LONDON

The science job market in the London–Oxford–Cambridge triangle, after 10 years of rising public investment in the United Kingdom’s science base, has never been stronger. But the shockwaves of the financial crisis are undermining the biotech industry and pharma restructuring is hitting R&D, while academia is refocusing research with a translational bent. By Nuala Moran

Like the curate’s egg, the scene for science jobs and recruitment in the London–Oxford–Cambridge triangle is good in parts—the good being those areas that, as yet, have escaped the fallout from the financial catastrophe and the restructuring of the pharmaceutical industry; the bad being those that have not.

To take the prime example of a bad part, the United Kingdom’s biotechnology sector, based in the triangle, has been hard hit by the seizure in the capital markets. In a survey of 295 companies carried out by the UK BioIndustry Association in March, 78 percent said they had found it more difficult to raise cash in the previous 12 months. More than a third of companies trying to raise equity financing failed to do so, while a further 47 percent were not able to obtain all the financing they required.

With fewer products in the pipeline and sources of funding drying up, some biotechs are shutting their doors. Others are cutting back to conserve cash and try to hang on until the financing position improves. Companies in the region that have announced staff cuts include Oxford-based Summit Corporation, a zebrafish genomics specialist; Alizyme of Cambridge, which is developing treatments for gastrointestinal diseases; and Silence Therapeutics of London, an siRNA company.

Meanwhile, the pharmaceutical industry worldwide is undergoing the most thorough restructuring and consolidation in its history. While many of the pharma job cuts of the past two years have involved sales and marketing divisions, the UK’s previously strong position in pharmaceutical R&D and manufacturing has left it especially exposed to these shifts.

To cite two examples, GlaxoSmithKline, the largest UK-based pharmaceutical company, has announced the closure of three UK R&D sites in the past two years. And with Pfizer and Wyeth accounting for over 6,000 jobs in the UK, employees are braced for the job losses that will likely flow from their recent merger.

Accompanying these macroeconomic factors, changes such as the push to interdisciplinary and translational research are changing the nature and practice of academic research and of science-related jobs.

The Fallout from Pharma
David Rees, senior vice president of medicinal chemistry at Astex Therapeutics, a fragment-based drug discovery specialist based in Cambridge, keeps a keen eye on the recruitment market in the city. Medicinal chemistry has continued »
Requirements are changing in response to the environment. Pharma wants people who are adaptable, and are prepared to collaborate and interact with the public and private sectors,” says Gales.

There is no less focus on scientific expertise. “Science is still the key strength, but on the more commercial end of the business there is a need for people who can engage with the payers and are comfortable in dealings with regulators, health technology assessment bodies such as NICE [the UK’s National Institute for Health and Clinical Excellence], clinicians, and patient groups.”

Meanwhile, for those embarking on a career in the industry, a first degree in science leaves a wide number of career avenues open. But there is no doubt that scientists now need to offer commercial skills as well. “As the two sides of pharmaceutical companies get closer together, staff need to work in multifunctional teams, both internally and externally,” says Gales.

Public Investment Continues to Create Jobs

After 10 years of rising public funding, the UK’s science base has never been stronger. One manifestation of this investment is the Diamond Light Source near Oxford, the largest science facility to be built in the UK in the past 40 years. The synchrotron opened just over two years ago and is still in the process of building up its operations. Professor Trevor Rayment, physical sciences director, says 161 staff are employed in physical sciences; at the full capacity of 15 beam lines, this will rise to between 400 and 500.

Most recruits are academics, but there is a need for hybrid skills. “You have to be capable of handling a big machine, and need to enjoy troubleshooting and getting it to work well. And although our scientists have their own projects, the emphasis is on providing a service to our users,” says Rayment.

While public spending on science is at an all-time high, this has been justified as an investment in the knowledge economy. Inevitably, this has repercussions in terms of the pressures universities are coming under to adopt a more commercial focus in their research, professionalize technology transfer, and collaborate with industry.

Universities such as Oxford, Cambridge, University College London (UCL), and Imperial College pride themselves on their commercial edge, and as a movement it is becoming hard for academic researchers to resist, as several recent initiatives highlight.

For instance, beyond generalist technology transfer, the Biotechnology and Biological Sciences Research Council (BBSRC) is now funding Innovation and Knowledge Centres to promote early commercialization of research in specific fields. An example is Cambridge University’s center specializing in manufacturing technologies for photonics and electronics. This combines research with business development, market analysis, and commercialization skills.

Another scheme is bringing industrial “moles” into the heart of academe through Industrial Impact Fellowships. Researchers from industry join existing projects and programs with a brief to support translation of research. Science Minister Paul Drayson says, “Fellows of this scheme will get to share their experience, skills, and contacts directly with researchers—which is essential to bring innovations from research to market rapidly.”  

continued »
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We are keen to expand our research into the areas of comparative genomics, human variation, biomedical informatics and novel algorithms/statistical approaches, but will favour outstanding candidates from any area of computational biology. The candidate will join a strong and supportive group of research group leaders and will interact closely with the large database teams, benefiting from their technical expertise and scientific knowledge.

An initial contract of 5 years will be offered to the successful candidate. This can be renewed, depending on circumstances at the time of review.

Further information on the position can be obtained from the Director of the EMBL-EBI Janet Thornton (doffice@ebi.ac.uk).

To apply, please email a cover letter, CV (in English), three written references and a concise description of research interests and future plans quoting ref. no. S/09/052/EBI in the subject line, to: applications@ebi.ac.uk

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By importing skills from outside, this program is attempting to make up for the perceived deficit of entrepreneurial skills and business knowledge inside universities. But universities are also offering courses in entrepreneurship to their researchers. A leading example is Imperial College’s Entrepreneurship Hub, which teaches all science and technology undergraduates entrepreneurship skills and provides training for faculty and researchers in venture creation.

The Push to Translational Research

In medicine in particular, there is a push to create a translational research chain from laboratory bench, through drug discovery and development, and into the clinic. This new direction is prompting the major reorganization of the leading medical schools and teaching hospitals at Imperial College, UCL, and Cambridge, among others. The aim is to create American-style academic health science centers, such as that at Harvard, that integrate research, education, and clinical care.

Alongside this large-scale restructuring are programs to fill in the gaps in the translational research chain. For example, Imperial College and King’s College London recently won funding for an Integrative Mammalian Biology program, in which researchers will be trained in the use of computer models of human physiology to replace the use of animals in experiments.

One step that exemplifies how the pressure to translate research through to the market is forcing the pace of multidisciplinary research is the formation in April of the Center for Stem Cells and Regenerative Medicine at UCL. The list of specialties that will be brought together is deep and broad: beyond a swathe of biological sciences, they include physical scientists, chemists, mathematicians, engineers, and material scientists from 130 research groups in several faculties, hospitals, and research institutes.

Professor Claudio Stern, chair of the center’s steering committee, says UCL has many scientists in the field of stem cells, but they were working in relative isolation from each other. “The enhanced communication will greatly improve the flow of information between basic and clinical scientists that is absolutely crucial for this field to move forward.”

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Postdoctoral Fellow – Computational Genomics

Salary range £28,000 to £34,433 per annum dependent on experience

The Wellcome Trust Sanger Institute is a world leader in genomic research, with an expanding scientific programme dedicated to understanding gene function in health and disease. A post-doctoral bioinformatician is sought for a cutting edge research programme in the Cancer Genome Project. The fellow will focus on the application of new sequencing technologies to identify genetic variants in cancer genomes, including the development of novel algorithms for sequence analysis and mutation calling, informatic analysis of mutational patterns and cancer gene identification.

Essential Skills:

- PhD which includes a substantial component in bioinformatics or computer science (or equivalent experience).
- Experience in the analysis and manipulation of large datasets, such as accessing data via MySQL or commonly used bioinformatics APIs.
- Proven record of writing analysis programs and scripts to rapidly investigate scientific questions
- Ability to work independently to carry out data analysis
- Excellent attention to detail and good communication skills

Ideal Skills:

- Interest/previous experience in genomic analysis

Other information: The Wellcome Trust Sanger Institute operates at the forefront of genomics, sequencing and analyses of a wide range of genomes from single cell pathogens to higher vertebrates, with an emphasis on genomes relevant to human medicine and welfare. The Cancer Genome Project at the Institute has led the way in the systematic analysis of cancer genomes by using the human genome sequence and high throughput mutation detection techniques to identify somatically acquired sequence variants/mutations and hence identify genes critical in the development of human cancers. The ideal candidate would be from a programming background interested in applying their knowledge in the field of genomics. They will be able to work independently, enjoy collaborating with different teams, assimilate tasks easily and generate scripts quickly to analyse genomic data whilst supporting the research of the team and producing publications.

Benefits: Salary range £28,000 to £34,433 per annum dependent on experience. The Institute has excellent purpose built facilities on the Genome Campus, Hinxton on the outskirts of Cambridge. We offer a comprehensive range of benefits including a final salary pension scheme and excellent on-site facilities. Further details can be found on our website https://jobs.sanger.ac.uk.

This is a fixed-term contract for 3 years. To submit your CV and apply for this job please go to https://jobs.sanger.ac.uk, to register and apply on line.
The immediate payoff was a commercialization deal in age-related macular degeneration in which Pfizer became the first big pharma company to make a move into the use of embryonic stem cells as the basis for a tissue regeneration therapy.

The Triple Whammy: Multidisciplinarity, Translation, Commercialization

So how are these huge shifts in the research firmament—multidisciplinarity, translational research, and commercialization—affecting one of the largest funders of basic biomedical science in the country, Cancer Research UK?

“We are not turning away from basic research—that is still at the core of what we do,” says Simon Vincent, the charity’s head of personal awards. However, he adds, “The nature of basic science is changing, and this is influencing the kind of people we are looking to recruit.”

In particular, the charity is moving up the development pathway, and has begun to establish drug discovery and development capabilities. “This means we are recruiting more synthetic chemists, for example,” says Vincent.

Indeed, in this move to secure the foundations of drug development, CRUK has needed to bridge several skills gaps. An example is bioinformatics, a specialty in which it has set up groups in Cambridge and London. “This is a reflection of the impact of genomics on the way we do basic biology,” Vincent says.

In November 2008 CRUK announced its GBP1.5 billion science strategy for 2009–2014, under which it will establish 20 centers of excellence linking research, patient care, public engagement, and prevention. “We are putting more emphasis on translation—that is our clear objective. We will only work with universities to establish a center if there is a commitment from academic groups and clinical departments to get involved,” explains Vincent.

The centers will not require new specializations, but Vincent says there will be a need to cultivate researchers who are capable of seeing patients in the clinic and then applying their observations in the lab.

Speaking in March, Vincent said CRUK was actively recruiting, and there was no sign as yet of an increase in applications as a result of fallout from the pharma and biotech sector.

However, as a charity, CRUK is seeing a fall in donations as the economy contracts, Vincent says. “It has had an impact; we are expecting a 4 percent fall this year. But we are not cutting programs.”

Cleantech: A New Source of Science Jobs

The sudden contraction in some parts of the science jobs market may undermine existing career plans of those in pharma and biotech and require a rethink by new graduates trying to get on the first rung of the ladder. But avenues are opening up elsewhere. The UK’s emerging cleantech sector holds prospects for people with pharmaceutical experience, according to Hamish Curran CEO of TMO Renewables, a cellulosic biofuels specialist. “We’ve been recruiting over the past two years, and when I look at our ranks, about one-third are from the pharmaceutical sector.”

The company was founded in 2002 to develop second generation biofuels and is currently testing its first demonstration plant. Curran, himself a veteran of the oil industry, advises that cleantech projects require a new mix of skills. “There has to be a marriage between engineering and biology to build a bioprocess plant that can operate 24 hours a day.”

Similarly, sustaining microbial populations is central to the R&D activity of Bluewater Bio, a wastewater treatment specialist. The London-based company is in the process of optimizing technology discovered in South Korea for removing organic material from wastewater, to suit environmental conditions and wastewater standards in the UK and elsewhere in Europe. “We have a formula, but we need to understand more about the effects of changing the operating parameters on the process,” says Garry Hoyland, technical director.

There is increasing public investment in the field, too. A notable example is the GBP27 million Sustainable Bioenergy Centre set up with the aim of replacing petrol with biofuels. In another initiative the BBSRC has joined with 10 companies to develop the technologies required to replace petrochemicals through biorefining.

Potential recruits should be aware that cleantech is opening up a new interface between disciplines, says Tim Barnes, executive director of UCL Advances, the technology transfer and commercialization arm of University College London. This is reflected in the kinds of expertise that employers of science graduates are looking for. “Just look at the problems we are trying to solve: developing a hydrogen-powered car covers a range of different disciplines—many aspects of which aren’t really to do with engineering,” says Barnes. Those interested in working in the field need to demonstrate they can network and operate across disciplinary barriers.

Traditionally 25 percent of the UCL’s numerate graduates have gone to work in the City of London’s financial services sector, a market that has dried up overnight. “Science graduates at any level are finding it tough to get jobs,” says Barnes who advises that one tack is to complete another course.

The university is helping by offering discounts on fees for its postgraduate courses. As well as increasing skills levels, it hopes that the best students will be attracted into research.

This would be at least one positive outcome of the current financial crisis.

Nuala Moran is a freelance writer based in Cheshire, United Kingdom.

DOI: 10.1126/science.opms.r0900073
Postdoctoral Scientist
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We are seeking a Postdoctoral Scientist to work in the Group of Dr Ingo Greger, to investigate signalling properties of neuronal and recombinant AMPA-type glutamate receptors. The project will involve analysis of native AMPA receptors from hippocampus, as well as assaying recombinant, structure-guided receptor mutants in heterologous expression systems.

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Clinical Chair in Translational Medicine

Norwich

The University of East Anglia (UEA) is an internationally renowned campus based university that provides top quality academic, social and cultural facilities to over 13,000 students. The School of Medicine was established in 2000 and with its strong links with the Norfolk and Norwich University Hospitals NHS Foundation Trust, Institute of Food Research and John Innes Centre, has an impressive track record of internationally recognised research and of attracting substantial research funding. UEA is now seeking to appoint an exceptional clinical scientist to the new post of Clinical Chair in Translational Medicine. The successful candidate will join established groupings of both laboratory and social researchers with access to state of the art facilities both at the University and on the hospital site. This is a hugely exciting opportunity to play a major role in shaping the clinical research undertaken across the whole of the Faculty of Health over the coming decade.

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Associate or Full Professor

The Institute of Human Virology (IHV) and the Institute for Genome Sciences (IGS), in conjunction with the Marlene and Stewart Greenebaum Cancer Center at the University of Maryland School of Medicine, are searching for a faculty candidate to direct a new Division of Oncological Genomics. The new division will be located in the IHV and, coupled with full appointments in IHV and IGS, will have the ability to recruit junior faculty to support its mission. The appointment will be either at the Associate or Full Professor level, commensurate with experience.

The successful candidate will have extramural funding and a track record of conducting independent and collaborative research using approaches that include genomics and bioinformatics, as well as an interest in the field of cancer. The candidate will work closely with tumor cell biologists, molecular biologists, immunologists, and epidemiologists in the IHV to identify high risk individuals and cancers that may have an infectious etiology. Particular emphasis will be placed on cancer associated with adventitious agents, especially viruses, and the candidate will use appropriate genomics and bioinformatics approaches to identify such agents in tumors, in the tumor microenvironment, and in individuals at high risk for specific cancers. The qualified individual will have publications utilizing genomics that may be applicable to human cancer. The cancers of interest in this institute are those occurring in the context of HIV or Hepatitis C infection and include cancer of the lung, kidney, liver, ovary, prostate, brain, leukemia, lymphoma and epithelial cells. The qualified individual will have familiarity with genomic applications such as transcriptional profiling, genotyping, tiling arrays, exon throughput assays, methylation, real time PCR, microRNA analyses and automated high throughput assays, and be aware of technology leading to detection of other agents, including possibly novel ones.

IHV and IGS offer excellent laboratory facilities, competitive salary and startup packages, and access to numerous resources within the School of Medicine, including state-of-the-art BSL3/ABSL3 facilities and a large-scale DNA sequencing and analysis core in a strong academic environment.

The faculty search committee will be co-chaired by Dr. Robert Gallo, Director of IHV, and Dr. Claire Fraser-Liggett, Director of IGS.

Please submit a letter of interest, CV, and three references to: Oncologic Genomics Faculty Search Committee, c/o Beth Peterson, Institute of Human Virology, 725 West Lombard Street, S307, Baltimore, MD 21201; bpeterson@ihv.umaryland.edu.

The University of Maryland, Baltimore is an Equal Opportunity, Affirmative Action Employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.
At Merck, we believe in putting patients first in all we do. This commitment, along with our focus on developing novel medicines and vaccines that address unmet patient needs, distinguishes us as one of the world’s leading research-driven pharmaceutical companies.

Our Basic Research Biology teams are therapeutic area based teams supporting target identification biology, In Vitro target validation, disease-relevant cellular biology, compound mechanism of action studies, and target-related safety and toxicity. Successful candidates will engage in drug discovery and basic research efforts with a focus in biology.

To be considered for any of these opportunities, please visit our career site at www.merckcareers.jobs/SCIENCE to create a profile and submit your resume for any of the open positions that may be of interest. To view these opportunities, please visit our career site and search under keywords: BRB.

Merck is an equal opportunity employer, M/F/D/V – proudly embracing diversity in all of its manifestations.
Soochow University, founded in 1900 in Suzhou, Jiangsu Province, is a premier university in China. The University is committed to excellence in education, research and innovation. A major expansion of its multidisciplinary research programs is underway across many scientific areas including physics, chemistry, materials sciences, textile engineering and design, life sciences, and medicine. A complete listing of open positions is available at: http://rsc.suda.edu.cn/zpxx.asp?type=15.

The National Engineering Lab for Silk Exploration Research and Innovation (NELab SERI), Soochow University, invites applications for faculty positions at the levels of Associate and Full Professors in the following areas: Bio/Functional Materials; Mesoscopic and Nano Materials and Devices; Computational Biophysics; Biosensor and Bioelectronics; Imaging and Spectroscopy Techniques; Textile Engineering and Design; Bio/Medical Chemistry; Synthetic and Supramolecular Chemistry; Surface Sciences and Optics.

Candidates should have a Ph.D. with an outstanding track record, and demonstrate a strong commitment to excel in research and teaching in the above areas. They should possess leadership qualities and are expected to establish their respective research strengths in the Lab. Candidates with outstanding potential and promise will also be considered even if their fields of specialization do not fall within any of the above categories. Successful candidates will be provided with competitive relocation and salary packages, generous start-up funds, and state-of-the-art research facilities.

The recruitment will start immediately and continue until all the vacancies are filled. Outstanding individuals should send their detailed curriculum vitae, a brief research plan and a statement of research interests, and full names and contacts of three referees to: Mr. Zhen Li, HR Department, Soochow University, Box 428, 50 Donghuan Rd, Suzhou, Jiangsu, 215021, China; Email: sdcrl@suda.edu.cn; Tel: 86-512-67503045; Fax: 86-512-67503248; http://www.suda.edu.cn/.

EXPERIMENTAL PATHOLOGY FACULTY POSITIONS

The Department of Pathology and Laboratory Medicine of the Weill Cornell Medical College invites applications for faculty positions in experimental pathology. Candidates are expected to develop and maintain productive, independently funded research programs in basic mechanisms of disease which fall within the broad areas of molecular oncology and cancer genetics.

Candidates may hold an MD, a PhD, or combined MD and PhD degrees but must possess a sufficient amount of post-doctoral research training to develop an independent research program. Teaching responsibilities will include graduate and medical students.

The Department offers a supportive intellectual environment in which several mid-level and senior scientists direct well-funded independent research programs in basic mechanisms of human disease which fall within the broad areas of molecular oncology and cancer genetics.

Interested applicants should submit a curriculum vitae, recent publications, and a brief description of research plans and career objectives, as well as the names of three individuals familiar with the applicant and the applicant’s research program. Applications will be accepted until all positions are filled. Please submit via email to rubinma@med.cornell.edu or to:

Dr. Mark A. Rubin
Vice Chairman for Experimental Pathology
Department of Pathology and Laboratory Medicine
Weill Cornell Medical College
1300 York Avenue, Box #69
New York, New York 10065

Weill Cornell Medical College is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.
BIOMARKER CENTER OF EXCELLENCE
LOOKING FOR THE BEST AND THE BRIGHTEST

Covance, one of the world’s largest and most comprehensive drug development services companies is currently creating a global Biomarker Center of Excellence in our Greenfield, IN location. This center of excellence will drive our holistic approach through the entire spectrum of drug development – from the biomarker and therapeutic perspective.

We are seeking Biomarker professionals at various levels to drive solutions for clients across Covance’s varied service offerings. We have multiple positions available, including:

**Sr. Scientist, Biomarkers (Req# 17139)**

A PhD in physical or biological science is required focusing on Oncology, Neuroscience, Immunology or Metabolic Diseases.

For information on all Biomarker positions, please visit: www.covancecareers.com/biomarkers or email: covance.jobs@covance.com.

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**Professoral appointment in Neuro Imaging**

Queensland Brain Institute (QBI) and the Centre for Advanced Imaging (CAI) in Brisbane, Australia

QBI (www.qbi.uq.edu.au) and the newly established CAI seek a creative, accomplished Group Leader with an internationally recognized research program in Neuroscience Imaging. Applicants should have an established reputation and academic leadership in the area of neuroimaging. Significant research experience in Neuro Imaging, specifically using small animal models and translating these models into human imaging scenarios is essential. The appointment will be at Professorial level E at the University of Queensland and a competitive start-up package will be provided.

QBI’s principal research themes target brain plasticity and include Cellular plasticity, Synaptic plasticity, Cognitive and behavioural neuroscience, Visual neuroscience, Mental and neurological disorders and Imaging and computational neuroscience.

The Institute is housed in a $63 million facility on the campus of the University of Queensland, fitted with state-of-the-art research equipment. The Institute currently accommodates some 250 scientists, students and support staff. QBI has access to a range of world-class technologies, including a 16.4T small animal scanner, 4.6T MRI scanner and a 3T human research MRI. It also has extensive capabilities in animal and human behavioural testing, and has developed strong interdisciplinary teams in the area of applying nanotechnology to neuroscience.

CAI is a newly created University Centre whose overall goal is to create a world-class integrated facility for research and training in biomedical imaging. This state-of-the-art facility will provide an integrated, multidisciplinary and multimodal research framework for basic, translational and clinical research in biomedical imaging with research high-field MRI, PET, MRI/PET and radiochemistry facilities.

QBI and CAI are developing a collaborative network in the Asia-Pacific region and has recently signed affiliation agreements with leading neuroscience and imaging institutes in the Asia-Pacific Region.

To apply please send a cover letter, a CV, a three page statement of research interests, and arrange to have 3 letters of recommendation sent to the Search Committee.

Applications should be sent either by email to k.michalski@uq.edu.au, or by regular mail to Ms Kate Michalski, Queensland Brain Institute, The University of Queensland, St Lucia, QLD 4072, Australia.

Applications should be received by 17 August 2009 to assure full consideration.
Magnifying your opportunities is our main focus. We're your source for connecting with the industry's top employers. We're the experts and primary tool for accessing the latest and most relevant career information across the globe.

Our newly designed website offers improved features that help you magnify career opportunities and your personal potential. Whether you're seeking a new job, career advancement in your chosen field, or ways to stay current on industry trends, Science Careers will broaden your scope for a brighter future.

**Improved Website Features:**
- Relevant Job Email Alerts
- Improved Resume Uploading
- Content Specific Multimedia Section
- Facebook Profile

**Job Search Functionality:**
- Save and Sort Jobs
- Track Your Activity
- Search by Geography
- Enhanced Job Sorting
FACULTY POSITIONS
SANFORD CHILDREN’S HEALTH RESEARCH CENTER

Sanford Children’s Health Research Center (SCHRC) invites applications from researchers for full time faculty positions within Sanford Research USD and the Department of Pediatrics of the Sanford School of Medicine of The University of South Dakota. An historic $400 million gift by philanthropist T. Denny Sanford has allowed for expansion of Sanford Research USD and dynamic development of programs focused on children’s health. An additional donation by Mr. Sanford has led to the creation of a two-campus Sanford Children’s Health Research Center: at the Burnham Institute for Medical Research in La Jolla, California and Sanford Research USD in Sioux Falls, South Dakota. The collaboration between the two locations will establish the basis of an integrated, world class, academic pediatric research network. In addition, SCHRC Faculty will also collaborate with the Sanford Project that centers research on Juvenile Diabetes, the Cardiovascular Health Research Center, the Cancer Biology Research Center and the Health Disparities Research Center at Sanford Research USD.

We seek outstanding scientists of any rank with a research interest that focuses on any area of children’s health and disease. Areas of interest include, but are not limited to, genetics, developmental biology and the biological basis of disease. Candidates will be expected to develop an independent extramural research program and complement the energetic interdisciplinary and collaborative nature of the growing SCHRC. Successful candidates will have a PhD and/or MD degrees.

Significant institutional support including laboratory space and research support will be offered. In addition, a comprehensive compensation package will be tailored to the individual’s qualifications.

Applications should include a detailed curriculum vitae, a description of research experience and future plans, and the names and contact information for at least three references. Application materials should be sent to:

Dr. David A Pearce
Director, Sanford Children’s Health Research Center
Sanford Research USD
Professor, Department of Pediatrics
Sanford School of Medicine of The University of South Dakota
1305 W. 18th St., PO Box 5039
Sioux Falls, SD 57117-5039
Telephone: 605-333-6447 FAX: 605-328-6951
Email: pearced@sanfordhealth.org

Sanford Health is an Equal Opportunity/Affirmative Action Employer.

CIRCB
CENTRE INTERNATIONAL DE RÉFÉRENCE “CHANTAL BIYA”
POUR LA RECHERCHE SUR LA PRÉVENTION ET LA PRISE EN CHARGE DU VIH/SIDA

Positions for Immunologist and Molecular Biologist

The “Chantal Biya” International Reference Centre for HIV/AIDS Research on Prevention and Treatment (CIRCB) is located in Yaounde, the capital city of Cameroon, Central Africa.

The mission of CIRCB is to carry out clinical research, prevention and surveillance of HIV infection/AIDS and related infections as a contribution to the global AIDS response. At CIRCB, the Immunology, Microbiology and Molecular Biology, Bioinformatics and Clinical laboratories provide a research environment that is collaborative and highly conducive to advancing clinical and applied research. The Centre is equipped with a DNA analyzer, FacsCalibur, ELISPOT chain, fully-automated Biochemistry analyzer, Haematology analyzer and Leukocyte Differential Counter.

CIRCB is seeking candidates (mid-level or senior scientist) for two full-time positions. They are: (1) Immunologist: candidate should be holder of a doctoral degree (Ph.D., MD or MD/Ph.D.) or equivalent experience in Immunology, with specialized skills in flow cytometry, cell culture and ELISPOT. (2) Molecular Biologist: candidate should be holder of a doctoral degree, (Ph.D., MD or MD/Ph.D.) or equivalent experience in molecular biology with experience in high-throughput DNA sequencing.

The candidate should have a documented history of research success with a minimum of five years post-doctoral experience, a good track record of publications, and the ability to work independently and supervise his/her technicians and mentor junior investigators. Salary: a competitive salary and benefits package will be commensurate with qualifications and experience. These positions are available for three to five years on a renewable contract.

Cameroonian and other African scientists working abroad are encouraged to apply. Interested candidates should send their curriculum vitae, a two-page statement of research interest covering past accomplishments, current and planned research goals, complete bibliography, names and addresses of three referees to:

Pierre Joseph FOUDA, MD, Director
Or
Judith Ndongo TORIMIRO, Ph.D.
Chief, Scientific Secretariat
B.P. 3077, Yaounde, Cameroon
Telephone/Fax: (+237) 2231-5456
Email : scientific.circb@yahoo.com

Photo of CIRCB

Get help from the experts.

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From the journal Science AAAS
The USDA, Agricultural Research Service (ARS) is seeking highly qualified candidates for two permanent full-time leadership positions of Assistant Director for the Pacific West and Midwest Areas, located in Albany, California and Peoria, Illinois, respectively. The Assistant Director is a key member of a Senior Management Team that:

- Implements problem-solving research that provides an abundant, nutritious and safe food supply, protects the environment, and generates sustainable bioproducts and biofuels.
- Leads a large, talented cadre of scientists in an eight-state region.
- Works collaboratively with scientists and administrators within ARS, the Land-Grant Universities, State Agricultural Experiment Stations, other governmental agencies (Federal, state, local), Non-Governmental Organizations, private industry, and other stakeholder groups in the region, nation, and around the world.
- Manages human, fiscal and physical resources.

Candidates seeking a challenging leadership position that contributes to a secure and sustainable agricultural future are encouraged to apply. Applicants must have professional knowledge of research methods related to the biological sciences, environmental sciences, agricultural engineering, food technology or chemistry; knowledge of cooperative and user oriented programs directed toward agricultural research; and excellent leadership and communication skills.

Join us in Advancing the Health and Wealth of the Nation and Its Peoples, Solving Problems, Expanding Knowledge, Delivering Answers

To apply, print a copy of the vacancy announcement from the ARS Careers Website at http://www.ars.usda.gov/Careers/Careers.htm (Pacific West Area - ARS-X9W-0188) or (Midwest Area - ARS-X9W-0194) and follow the application directions provided. For questions about these positions, call (510) 559-6015 (Pacific West Area) OR (309) 681-6633 (Midwest Area).

The position is a tenure-track faculty appointment at the rank of ASSOCIATE or FULL PROFESSOR. Successful candidates must demonstrate significant experience in developmental therapeutics in cancer research and will be expected to establish an innovative research program, provide education and mentorship, and participate in service activities within the medical school at the senior leadership level.

Applicants should forward a cover letter, curriculum vitae, three references, and a description of research to:

Dennis E. Hallahan, M.D.
Elizabeth H. and James S. McDonnell III Distinguished Professor and Department Head
Department of Radiation Oncology
4511 Forest Park Boulevard, Suite 200
St. Louis, Missouri 63108

HARVARD UNIVERSITY. The Department of Psychology anticipates making one tenure-track appointment at the ASSISTANT PROFESSOR level to begin July 1, 2010. The Department conducts experimental research in several areas, including cognition, brain, and behavior; psychopathology and clinical psychology; developmental psychology; and social psychology. Faculty and students in the Department have access to a recently opened state-of-the-art brain imaging facility located nearby the Department.

We are particularly interested in individuals who are working in the areas of judgment and decision making/neuroeconomics, developmental cognitive neuroscience, or human behavioral genetics/brain genomics. Candidates should expect to have completed the requirements for the Ph.D. prior to appointment and to have demonstrated a promise of excellence in both research and teaching. Teaching duties will include offerings at both undergraduate and graduate levels.

Candidates should submit curriculum vitae and representative reprints and should have at least three letters of recommendation sent to: Psychology Search Committee, Harvard University, Department of Psychology, WJH 230, 33 Kirkland Street, Cambridge, MA 02138. The closing date for applying is October 1, 2009.

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

POSTDOCTORAL POSITION available immediately to study the molecular mechanisms of T lineage development and transformation using both zebrafish and murine models. Available projects include: (1) executing a zebrafish genetic screen to identify genes controlling T cell development and transformation; (2) understanding the basis for blockade of T cell development by ribosomal protein L22 deficiency (Immunity 26:759-772, 2007); or (3) investigating the role of signal strength in ab/gd lineage commitment (Immunity 22:595-606, 2005). Experience in protein-RNA interactions and/or zebrafish genetics desirable but not essential. The successful applicant will enjoy a competitive salary and will have access to subsidized housing and child care as well as an active postdoctoral association. Curriculum vitae and three references should be sent to: David L. Wiest, Ph.D., Fox Chase Cancer Center, 333 Cottman Avenue, Philadelphia, PA 19111-2497, Fax: 215-728-2412. E-mail: david.wiest@fccc.edu. Equal Opportunity Employer.

The International Programme for Advanced Study on the Environment and Climate (PISAC) of the Istituto Nazionale di Geofisica e Vulcanologia (INGV) is currently seeking applications from distinguished scholars for visitor positions, from 6 months up to 12 months. Senior positions are particularly encouraged. Harvard University is an Affirmative Action/Equal Opportunity Employer.

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MAX-PLANCK-GESELLSCHAFT

Call for nominations
Max Planck Research Award 2010
The International Research Award of the Alexander von Humboldt Foundation and the Max Planck Society

The Alexander von Humboldt Foundation and the Max Planck Society jointly confer the Max Planck Research Award on exceptionally highly-qualified German and foreign scientists. The researchers are expected to have already achieved international recognition and to continue to produce outstanding academic results in international collaboration – not least with the assistance of this award. Funding for the award is provided by the Federal Ministry of Education and Research.

Every year, two research awards are conferred on internationally renowned academics. One of the awards should be given to a researcher working in Germany and the other to a researcher working abroad. As a rule, each Max Planck Research Award is endowed with 750,000 Euros. Nominations of qualified female academics are especially welcome.

On an annually-alternating basis, the call for nominations addresses areas within the natural and engineering sciences, the life sciences, and the humanities.

The Max Planck Research Award 2010 will be awarded in the area of life sciences in the field of Human Evolution

The Rectors/Presidents and Deans of German universities or research organisations are eligible to nominate candidates. Nominations must be submitted by the Rectors/Presidents of the universities or research organisations to the Administrative Headquarters of the Max Planck Society or the Alexander von Humboldt Foundation. Direct applications by candidates themselves are not possible. The deadline for nominations is 26 October 2009.

Please find further information at either www.humboldt-foundation.de or www.mpg.de.

Max-Planck-Gesellschaft
Hofgartenstraße 8
D-80539 München
phone: +49-(0)89-2108-1265
Fax: +49-(0)89-2108-2240
E-mail: maxplanck-fp@gv.mpg.de

Alexander von Humboldt-Stiftung
Jean-Paul-Straße 12
D-53173 Bonn
phone: +49-(0)228/833-197
Fax: +49-(0)228/833-212
E-mail: leilani.orate@avh.de

CONFERENCE

The 7th Okazaki Biology Conference
“The Evolution of Symbiotic Systems”
Kakegawa, Japan, January 11-14, 2010

The Okazaki Biology Conferences (OBC) hosted by the National Institute for Basic Biology (NIBB), one of Japan’s leaders in promoting international cooperation in the field of biology, are international conferences dedicated to providing opportunities to create new international networks of scientists as well as to facilitate the development of future areas of research in the biological sciences. They accomplish these goals by providing both a forum for the presentation and discussion of frontier research and an opportunity to discuss and map out the future direction of the field with researchers from around the world. The conferences are held in relaxing intimate settings that allow participants to get the most out of the time spent.

The theme of the 7th OBC will be “The Evolution of Symbiotic Systems”. Symbiosis is a biological phenomenon involving dynamic changes of the genome, metabolism, and signaling network, and a unified comprehension of these interactions is required when studying symbiotic organisms. In the Conference, we will explore a new direction of the fundamental science “Symbiotic systems” using a great variety of living species and bridge the gap between scientists studying various examples of these systems. Organized by Masayoshi Kawaguchi (NIBB).

NIBB is calling for speakers to contribute to this conference. Traveling and lodging expenses will be provided for those selected.

For more information please see the link to the 7th OBC homepage below.

Registration Process and Deadline: Please use the link below to download the application form and email the completed form to obc7@nibb.ac.jp by August 10th, 2009.

National Institute for Basic Biology
TEL: +81 (0)564-55-7596
E-mail: obc7@nibb.ac.jp
URL: http://www.nibb.ac.jp/obc/7th/

AWARDS

MAX-PLANCK-GESELLSCHAFT

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Max Planck Research Award 2010
The International Research Award of the Alexander von Humboldt Foundation and the Max Planck Society

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Fax: +49-(0)89-2108-2240
E-mail: maxplanck-fp@gv.mpg.de

Alexander von Humboldt-Stiftung
Jean-Paul-Straße 12
D-53173 Bonn
phone: +49-(0)228/833-197
Fax: +49-(0)228/833-212
E-mail: leilani.orate@avh.de

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Registration Process and Deadline: Please use the link below to download the application form and email the completed form to obc7@nibb.ac.jp by August 10th, 2009.

National Institute for Basic Biology
TEL: +81 (0)564-55-7596
E-mail: obc7@nibb.ac.jp
URL: http://www.nibb.ac.jp/obc/7th/
PH.D. RESEARCH MICROBIOLIST

The Plant Pathology and Microbiology Department at the University of Wisconsin-Madison invites applications for a tenure-track faculty position in Plant Pathology at the assistant professor level. Research will focus on the biology of plant viruses and their interaction with plants. We expect the incumbent to interact with other programs to bridge basic and applied research. The incumbent will be responsible for developing and maintaining a funded research program. The 9-month appointment carries a 70% research and 30% teaching distribution of effort. Requirements include: Ph.D. in plant pathology, virology, or related discipline; a strong foundation in the principles and concepts of plant pathology and relevant research experience; effective oral and written communication skills; and a positive attitude for teamwork, including the ability to lead and manage. To apply, submit a curriculum vitae, a cover letter with a statement of research and teaching interests, a copy of undergraduate and graduate transcripts, and three letters of reference to: Professor Amy Charkowski, Plant Pathology Search Chair, Room 1630 Dr. M. Madison, WI 53706. Applications received by August 21, 2009 are assured full consideration; review of applications will continue until a suitable candidate is identified.

The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. Unless confidentiality is requested in writing, information regarding applicants must be released upon request.

Finalists cannot be guaranteed confidentiality.

For job details see website: http://www.ohr.wisc.edu/pvl/pv_060664.html

POSTDOCTORAL FELLOW (29UC3649)

The University of Cincinnati is currently accepting applications for a Postdoctoral Fellow. The postdoctoral fellow will participate in ongoing research projects using inducible transgenic mouse models created in the Ophthalmic Research Laboratories in the Department of Ophthalmology.

Job description: to examine the molecular and cellular mechanism(s) of ocular surface morphogenesis during embryonic development and pathogenesis of diseases using binary inducible transgenic mouse lines that are currently available in the Ophthalmic Research Laboratories in the Department of Ophthalmology.

Minimum qualifications: Ph.D. in life sciences or M.D.

Ideal qualifications: Individuals with a strong background in molecular biology, molecular genetics, or protein chemistry are preferred.

To apply for position (29UC3649), please see website: http://www.jobsatuc.com.

The University of Cincinnati is an Affirmative Action/Equal Opportunity Employer. UC is a drug-free work environment.

Marketplace

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BIOSCIENCE Technology (Medical biology)