Postdoc Careers Issue
This feature will focus on helping postdocs market themselves better to advance their careers. Be sure to market your organization to the thousands of scientists who will be reading Science to find out about the latest postdoc opportunities.

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Science in Wales

The southwestern corner of the United Kingdom, with its population of just 3 million people, is making a bold bid for scientific greatness. In 2012, the government of Wales announced an agenda for scientific growth. The central program is built around recruiting research stars: high profile scientists who will move their laboratories to Wales and become part of national research networks. The program is funded with £50 million—nearly $80 million. The Welsh government also wants to support science education, collaboration, and technology transfer, and quite simply, to be better at promoting Welsh science. Researchers are spreading the word about Wales as it launches an ambitious scientific plan. By Chris Tachibana

Wales, known as a land of poets, artists, bards (and rugby), wants to be just as famous for its science. Benchmarking against the other parts of the United Kingdom—England, Northern Ireland, and Scotland—showed that although Wales has five percent of the U.K. population, it receives only about three percent of U.K. Research Council funding. Wales excels at attracting support for the arts, but could do better in science. This analysis prompted the government, in spring 2012, to release Science for Wales, a 60-page document with a five-year vision for Welsh science. The plan could support the Welsh economy by creating research jobs and businesses. A major goal is increasing the share of U.K. research funds to be proportional to the population by 2017.

Of course, research funding is not doled out based on population numbers, and must be earned. But Wales feels it deserves a bigger piece of the pie. “Scientific productivity is a point of pride for U.K. ministers, who say we produce more with less, and Welsh research has quite a few good examples of that,” says Peter Halligan, head of Strategic Futures at Higher Education Wales. “In several areas Wales does very well. In psychiatry and psychology we’re in the top 10 for citations per paper, but many people aren’t aware of that. Wales has made significant progress over the past decade and currently exceeds the world and European average for research impact despite producing proportionally fewer overall publications.” Computer science, social science, engineering, and neuroscience are other areas where Wales is punching above its weight, says Halligan. And with the Science for Wales agenda, the Welsh government is trying to do more to develop that potential.

Driving the new scientific plan is John Harries, who became the first Welsh chief scientific adviser in 2010. “We’ve got some real pinnacles of excellence in Wales,” said Harries in a 2012 BBC interview, “but we need to augment the quality of our work.” Science for Wales, he said, “can up our game and bring more research money to Wales.”

The Centerpiece Of The Agenda

At the center of the Science for Wales agenda is Sêr Cymru or Stars Wales, funded by £50 million over five years from the government, plus university matching funds. Sêr Cymru aims to boost Welsh science by bringing a few internationally recognized researchers—the stars—to Welsh universities. The program is recruiting research chairs in each of three Grand Challenge areas: life sciences and health; low carbon, energy and environment; and advanced engineering and materials.

National Research Networks will be developed around each Grand Challenge area. Network directors continued
Focus on Careers
Wales

“We [The Higher Education Funding Council for Wales] fund all areas for teachers with additional funding for science because of expenses such as labs.”
—David Blaney

will identify, encourage, and direct collaborative grants and projects in the priority research areas. First Minister of Wales Carwyn Jones says, “Here in Wales we certainly have a lot to be proud of, but we now need to build further on our science base to develop a dynamic and strong research community based on international excellence. That is what our Sêr Cymru program is about—attracting top scientific researchers and their teams to Wales.”

Installing preeminent researchers at Welsh universities could boost the Welsh science agenda, stimulating funding, publications, and further recruitment across the country. It’s a bold approach in times of general budget austerity, but the program faces an issue familiar to any university recruiter: established scientists are reluctant to relocate. Mid- to late-career professors often have families and strong connections to their institutes and their communities. In addition, finding high-profile candidates in some fields, like engineering or low-carbon research, can be difficult because the most well-known science awards rarely go to researchers in those areas.

“Sêr Cymru is a fantastic idea,” says Davey Jones, who chairs Soil and Environmental Science at Bangor University, “but it’s been difficult to find people. The energy and environment fields don’t have a lot of Nobel Prize winners like they do in life sciences and health.” Setting up the National Research Networks has also been challenging because they must balance inclusiveness with becoming too diffuse, distributing resources equitably with boosting areas of strengths, and casting a wide net for contributors while connecting the most relevant collaborators. Says Jones, “We need to concentrate our efforts on fields where we have expertise. If we focus on the things we’re already good at, we can make them better.” An example, he says, is the Welsh government’s recent investment in regional agro-environmental activities. These efforts have increased interaction between universities, policymakers, and regulators around sustainable management of agricultural ecosystems, says Jones. “The science we do in this area makes a difference. It’s directly made things better for farmers.”

As the new science agenda gets under way, educators want to make sure that the emphasis on three areas of science and the focus on senior researchers does not neglect students and junior faculty. Sêr Cymru fits well with the country’s current research and education strategy, says David Blaney, chief executive of the Higher Education Funding Council for Wales (HEFCW), the government arm that funds Wales’ universities and colleges. In fact, he says, by increasing agency efficiency, HEFCW was able to contribute £15 million to Sêr Cymru, “over and above” other research funding. Blaney says that although changes in government support for undergraduates recently reduced HEFCW funds, contributions to general research should remain steady at £71 million annually. In addition, he says, “We fund all areas for teachers—with additional funding for science because of expenses such as labs.” The government is working to promote science in the school curriculum, for example establishing a National Science Academy in 2010 to coordinate activities that encourage science education.

Other New Initiatives
Early- to mid-career researchers in Wales can find new opportunities for professional development and collaboration through Welsh Crucible. Participants in this program must show achievement in their field and commitment to a research career in Wales. The program is designed to support networking and collaboration, especially between scientists at different universities and in different fields. Lijie Li participated in the first round of Welsh Crucible in 2011. Li is a senior lecturer in the college of engineering at Swansea University who works on nanosensors and actuators that detect and respond to the environment. He says the program introduced him to researchers from other universities in Wales that he might not otherwise have met. The events, says Li, “allowed us to come together for opportunities to share ideas and discuss our research.”

Through Welsh Crucible, Li and his colleagues at Swansea University received seed funding for two collaborative projects with researchers at Cardiff University. The studies are small, says Li, but designed to gather preliminary data that could lead to additional funding. One project is focused on investigating ways to transfer mechanical movement into electrical energy, which could lead to environmentally friendly energy sources, for example for wearable devices. Li says Welsh Crucible has accomplished its goal of bringing Welsh researchers from multiple disciplines together, and his new collaborations are evidence. “I hope it will eventually expand to the rest of the U.K. and perhaps internationally,” he says.

Li’s office and laboratory are less than five miles from another major Welsh science project, the £400 million Swansea University Science and Innovation Campus. Leading the project is Pro Vice Chancellor Iwan Davies, who says the campus “represents a major scientific facility for Wales.” In addition to providing much-needed space and infrastructure at Swansea University, especially for engineering, Davies hopes the new campus “will attract the very best scholars to the university.”

The Welsh and U.K. governments and the Wales European Funding Office made substantial contributions to the first phase of the Science and Innovation Campus, projected to open in 2015. The oil company BP donated nearly 70 acres of land. The campus will incorporate a science park that will include the College of Engineering, continued>
**Higher Education Wales** - is the representative body for Wales higher education institutions promoting university interests in Wales, UK and internationally.

**Research standing** - Welsh universities are part of a world-leading UK science base, second only to the US in its share of global citations. Over the past decade the number of citations per research paper from Welsh universities grew at a rate that overtook the UK average in the period 2006-2010.

**Student experience** - A defining feature of higher education in Wales is an approach that engages students as active partners in the development, delivery and management of their own educational experience.

**Business** - Recent surveys demonstrate that Wales punches above its weight in relation to the UK in staff startup companies and active graduate business start-up companies.

For further information: www.hew.ac.uk

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**Higher Education Funding Council for Wales (HEFCW)**

The Higher Education Funding Council for Wales is a Welsh Government sponsored body that supports teaching and research in universities in Wales.

Committed to ensuring a high quality research base in Welsh universities, HEFCW allocates funding to support sustainable research excellence, identified in the UK-wide assessment of research quality.

HEFCW is the largest single funder of research in Wales. It is also working with the Welsh Government to implement the Sêr Cymru programme which will provide additional investment for research in Wales.

For further information: www.hefcw.ac.uk

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**Improving Science and Innovation in Wales**

Science, research and innovation are vital for supporting the economic and societal development of Wales.

The Welsh Government has an active programme of investing in science and engineering research in Wales in our grand challenge priority areas. We are building on our existing research excellence to develop truly world-class research capabilities, providing a platform for commercial exploitation, economic success and to gain social and environmental benefit.

For more information on how the Welsh Government is driving science, research and innovation through the Science for Wales strategy, please visit the chief scientific adviser pages on our website at: www.wales.gov.uk/topics/businessandeconomy/csaw

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**Higher Education Wales**

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**Improving Science and Innovation in Wales**

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the School of Business and Economics, and space for industry. For example, Swansea Materials and Research Testing (SMaRT), a subsidiary of the university, will be located at the new campus. SMaRT performs tests on materials for clients such as Rolls Royce, Dyson, and Airbus.

“Wales is naturally attractive to many industries. It has a history of high-quality engineering using traditional raw materials—steel and coal—and is now working in more advanced materials like high-performance composites,” says Andrew R. Barron. Barron has an endowed chair in chemistry at Rice University, an honorary chair in engineering at Swansea University, and is known for nonacademic research on vintage sports cars. His academic work covers the trio of focus areas in Science for Wales: materials engineering, life sciences, and environmental research. Barron interacted with Welsh industries and academic institutions as the first Prince of Wales Visiting Innovator in 2009. “At the time,” say Barron, “they were just getting relationships between companies and universities going. That has grown a lot in the last few years.” Sêr Cymru could drive job creation and better science education in Wales, predicts Barron, especially if there is growth in research and development as well as manufacturing.

The life sciences have high potential for expansion in Wales, especially since researchers have access to the data and tissue banks of the U.K. National Health Service. Barron, a featured speaker at the 2013 BioScience Wales conference, says that he used the National Health Service resources as a selling point when connecting a U.S. company that is developing a pancreatic cancer test with Welsh collaborators. Another international, life sciences facility in Wales is the Medical Research Council (MRC) Centre for Neuropsychiatric Genetics and Genomics. Housed at Cardiff University, the center capitalizes on Cardiff’s exceptional researchers and resources in neuroscience and mental health. Recently, MRC scientists have made notable advances in areas such as Alzheimer’s disease, Huntington’s disease, schizophrenia, bipolar disorder, depression, and ADHD. An additional push for the life sciences industry comes from the Welsh government, which announced the Life Sciences Wales Investment Fund in May 2012. The government has pledged up to £100 million for the fund to stimulate life sciences research and development.

Opto-electronics (or photonics) is a £1 billion-per-year industry for Wales and an example of how a scientific strength can have a local and national economic impact, says Paul Rees, professor of optics: technology and metrology, Glyndŵr University. North Wales has the largest cluster of opto-electronics companies in the United Kingdom, says Rees, and the industry, community, and universities have “a symbiotic relationship.” University-industry connections and the relevant skills of local residents have made the region attractive to companies and strengthened the opportunities for opto-electronics research. The Welsh Opto-Electronics Forum, an industry-led interest group that originated in North Wales, is working with both industry and universities to respond to national initiatives such as Sêr Cymru. Also in the area is OpTIC Glyndŵr, part of Glyndŵr University, which includes incubator space for high-technology companies. OpTIC Glyndŵr is a facilitator of exchange of expertise and academic-industrial partnerships, a door between academia and industry,” says Rees.

Combining Strengths

Conversations about how a small place like Wales, with three million people, can have an international scientific impact, often include the terms “collaborations,” “mergers,” and “critical mass.” The showcase example is frequently the Institute of Biological, continued>
GE Healthcare Life Sciences opens new £3 million laboratories for cell science in Cardiff, Wales

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Our Vision and Mission
Cellular research has an extraordinary potential to transform our understanding of disease and to save lives. Our vision is to help scientists worldwide make the advances that will bring this potential to life. We offer tools and solutions that help researchers better understand complex cellular problems. Our mission is to develop innovative cell technologies that fully embrace our heritage in biology, healthcare and engineering.

Making cell therapy a reality for patients
Cell therapy has the potential to help millions of patients suffering from life-threatening and life-limiting diseases like cancer and heart disease. GE is investing its broad expertise in biology, healthcare and engineering to address some of the biggest challenges in cell therapy.

Biography of Key Staff: Stephen Minger
Dr. Stephen Minger is Chief Scientific Officer for the Research and Applied Markets business at GE Healthcare Life Sciences. Known globally as a leading stem cell scientist and as a high-profile advocate for the advancement of stem cell science, Dr. Minger is responsible for directing GE Healthcare Life Sciences’ cell-based technologies for use in drug discovery and pharmaceutical research and enabling technologies for the rapidly emerging field of cell therapy.

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- 1703822 Development/Senior Development Scientist

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energy, food security, and others, says Powell. For example, IBERS is breeding grasses with high sugar content, suitable for grassland ecosystems in the United Kingdom and the United States. The economic and environmental benefits of using these grasses include efficient weight gain when ruminants are fed the high carbohydrate diet, with “fewer pollutants coming out their back end.” Waste from the grasses can be used for bioethanol production, sparing food sources such as maize. Powell says the high-tech grasses lead directly to products while supporting rural communities.

Expertise in energy and engineering is the foundation of the Low Carbon Research Institute (LCRI). This collaborative enterprise has representatives from six Welsh institutes and universities but is led and managed by Cardiff University, based on its strengths in energy research. Alan Guwy, head of the Sustainable Energy Research Centre, University of Glamorgan, leads research in hydrogen energy systems for the LCRI. This area of research covers hydrogen vehicles and fuel cells as well as biological production of hydrogen and use of its byproducts. “LCRI researchers have a history of working in the low carbon area. Now, in this consortium, we’re feeding each other, developing new ideas, learning about funding opportunities, and meeting with funders and other academics around the world,” says Guwy. For instance, he explains, scientists at Glamorgan are working on biofermentation of hydrogen and methane from biowastes. Swansea University researchers contribute expertise in separation of wastes from valuable fermentation intermediates, and Bangor University collaborators focus on end products and testing.

The critical mass principle applies to Welsh universities, which have already gone through many mergers, name changes, and alliances, with more on the way. Researchers, administrators, and government officials alike agree that mergers are a good idea. The challenge is finding ways to combine forces in a way that strengthens the research and educational system, yet retains previous investments in infrastructure and preserves unique institutional cultures. Future mergers could result in the 11 Welsh universities coalescing into about eight. The universities understand the need to collaborate and coordinate. In 2009, Aberystwyth, Bangor, Cardiff, Swansea, and Glamorgan universities created the Saint David’s Day Group with a goal of reaching out to businesses, the government, and international contacts to help Wales out of the recession.

The central element of the Science for Wales agenda is under way, as universities search for Sêr Cymru research chairs and National Research Network directors. In the meantime, scientists in Wales are asked to consider hosting international conferences, serving on U.K. councils, and publicizing their research successes. It’s all part of getting the word out about science in Wales. At Aberystwyth University, Powell says, “It’s a good time to be considering Wales as a destination. We have a real opportunity now to combine scientific excellence and impact, all in a great environment to live.”

Chris Tchibana is a science writer based in Seattle, USA, and Copenhagen, Denmark.
DOI: 10.1126/science.opms.r1300133
Facility position in Cancer Immunology

Heal the sick, advance the science, share the knowledge.

Mayo Clinic in Rochester, MN is seeking a Cancer Immunology and Immunotherapy Researcher who will be expected to maintain a nationally/internationally recognized, extramurally funded program of research within the Department of Immunology, a basic science department within the College of Medicine, and be an active participant in the Mayo Clinic Cancer Center. The Mayo Clinic is a collaborative environment, bringing researchers and clinicians together, to bring cutting-edge research from the bench to the bedside. Resources available at the Mayo Clinic include NIH-funded CTSA and T32 grants, NCI-funded Comprehensive Cancer Center and several active, funded SPORES in Ovarian Cancer, Breast Cancer, Pancreatic Cancer, Brain Cancer and Lymphoma.

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To apply and learn more, please visit: www.mayoclinic.org/scientist-jobs/ and reference job posting #22631BR. Applicants should include a CV and a statement of research interests. Specific questions related to the job posting should be directed to:

Virginia Shapiro, Ph.D.
Immunology
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Email: helgren.brent@mayo.edu

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The University Duisburg-Essen invites applications for the following position in the Faculty of Medicine (University Hospital) and the Center for Medical Biotechnology (ZMB). The position is available from 1st January 2014:

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The ideal candidate has profound expertise in basic research on the molecular mechanisms of cell physiology and its regulation in the field of Medical Biology. Investigators with a research focus on molecular disease mechanisms, preferentially concerning cancer biology, infectious diseases or immunology, are particularly encouraged to apply. Strong applications focusing on other fields that complement and extend the existing strengths of the medical faculty (http://www.uni-due.de/med/en/index.php) and the ZMB (http://www.uni-due.de/zmb/research/index.shtml) are also welcome. Cooperation with the local research clusters as well as their further development is highly desired.

Candidates are expected to run an independent extramurally funded, competitive research program and to participate in teaching within the Biology and Medical Biology programs.

According to §36 of the NRW Act (Institutions of Higher Learning) the requirements for this position are a university degree in a field of the sciences in medicine/biomedicine, doctorate and additional scientific achievements attained in the context of a junior professorship, post-doctoral thesis or related scientific work at a university, research institution, or in another relevant area.

The University of Duisburg-Essen aims to increase diversity among its members (http://uni-due.de/diversity) and strives to raise the ratio of female scientific personal and thus especially encourages women with relevant qualifications to apply. Women with matching qualifications would receive preferential consideration. Applications from severely disabled candidates according to § 2 Abs. 3 SGB IX are welcome.

Applications, including the usual supporting documents (curriculum vitae, list of scientific publications, present and future research plans, information on teaching experience to date, involvement in academic self-administration and information about third-party funding) and the application form (available on http://www.uni-due.de/zmb/application-w3-medbio), should be submitted preferably by e mail within a period of 6 weeks after publication of this advertisement to the

Dekan der Fakultät für Medizin der Universität Duisburg-Essen, Univ.-Prof. Dr. Jan Buer, Dekanat der Medizinischen Fakultät, Hufelandstraße 55, 45127 Essen, Germany, e-mail: medizin-dekanat@uk-essen.de

Further information can be obtained from the head of the ZMB, Univ.-Prof. Dr. Michael Ehrmann, Tel. +49-201 183 2949, e-mail: michael.ehrmann@uni-due.de
FACULTY POSITION IN COASTAL HUMAN-ENVIRONMENT SYSTEMS
Stanford University

Stanford University seeks an innovative scholar to fill a tenure-track faculty position in the area of human-environment interactions in coastal zones. The successful candidate is expected to be an active participant in both the Department of Environmental Earth System Science (https://pangea.stanford.edu/departments/ees/) and the Center for Oceans Solutions (COS) in the Stanford Woods Institute for the Environment (http://www.centerforoceansolutions.org/). EESS is an interdisciplinary department with a research focus on current and future environmental problems. COS is a collaboration among Stanford University, the Monterey Bay Aquarium, and the Monterey Bay Aquarium Research Institute that works to solve the major problems facing the ocean and prepares leaders to take on those challenges.

The appointment will be joint between the Department of Environmental Earth System Science and the Stanford Woods Institute. The level of the appointment is open, with a preference for candidates at the junior rank. We seek a motivated, broad-thinking scholar whose research bridges the natural science and human dimensions of the coastal environment, with a focus on understanding how human and biophysical processes interact to affect the structure and function of marine and coastal systems. The successful candidate is expected to establish a vigorous research program that employs strong analytical methods. The successful candidate is also expected to teach classes and mentor graduate students in the Department of Environmental Earth System Science, to teach in the interdisciplinary environmental programs offered at Stanford (such as Earth Systems and the Emmett Interdisciplinary Program in Environment and Resources), and to be a leader in the broader oceans and marine communities at Stanford, including through active leadership of campus-wide interdisciplinary oceans initiatives. The position will involve research and teaching at Stanford’s main campus, with close ties to Hopkins Marine Station and to COS partners and collaborators. Given the mission of COS, we are particularly interested in candidates with a desire to engage the public about scientific issues regarding coastal systems.

Applications containing a cover letter, curriculum vitae, and statements of research and teaching experience and interest should be included with your submission. Please apply at: https://academicjobsonline.org/ajo/jobs/2644. The search committee will request letters of recommendation for a subset of applicants following review of these materials. Review of applications will begin on June 1, 2013, and continue until the position is filled.

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 minority groups, as well as others who would bring additional dimensions to the university’s research, teaching and clinical missions.

University of Connecticut Health Center

Tenure-Track Immunology Faculty Position

The Department of Immunology at the University of Connecticut Health Center seeks an outstanding investigator for a tenure-track position at the Assistant/Associate/Full Professor level. Although all areas of immunology will be considered, we are particularly interested in individuals using molecular, cellular and translational approaches to study immune system function in vivo. Areas of priority include but are not limited to mucosal immunity including the microbiome, innate immunity, signal transduction and transcriptional control, and dendritic cell biology. The new hire will participate in a vibrant Ph.D. training program and have access to a growing translational research community. Salary and start-up funds are highly competitive and outstanding core facilities are available. Applicants must have a Ph.D. or M.D./Ph.D. and for senior appointments a history of sustained extramural funding and a high impact publication record. In addition to the beauty of the picturesque New England countryside, the Hartford area offers a vibrant arts and cultural scene and an exceptional outdoor sports environment.

Applicants should apply at https://jobs.uconn.edu search number 2012-067 and submit curriculum vitae, a two-page summary of research interests and the names of three references. Information may also be submitted to Dr. Leo Lefrancois, Ph.D., Chairman, Department of Immunology, UConn Health Center, Farmington, CT, 06030. Email: immunology@uconn.edu. For further information on UCHC immunology, please visit immunology.uconn.edu.

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Texas Tech University

HEALTH SCIENCES CENTER at Amarillo

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The Department of Pharmaceutical Sciences at the Texas Tech University Health Sciences Center in Amarillo seeks applicants for a tenure-track faculty position. Applicants must have research experience in any aspect of pharmacology, medicinal chemistry, drug discovery and development, or drug delivery. The Department has 15 full-time faculty members with broad research interests in pharmaceutical sciences. The School of Pharmacy is located on the Amarillo regional campus, adjacent to the Schools of Medicine and Allied Health. Amarillo is a town of about 200,000 on the high plains of Texas with excellent opportunities for cultural activities, family life, and outdoor sports. For further information, visit our website: http://www.ttuhsc.edu/sop/PharmSci.

Applicants must have earned a doctoral degree in pharmacology, medicinal chemistry, drug metabolism or related pharmaceutical sciences, with relevant postdoctoral experience. The candidates at the Assistant Professor level are expected to develop an extramurally funded research program, whereas candidates at the Associate or Full Professor level should have current peer-reviewed funding and a significant track record of publications. The successful candidate will teach in both professional pharmacy and graduate programs in the personal area of expertise, as well as mentor graduate (Ph.D. & M.S.) students and post-doctoral trainees. Competitive startup packages, incentives, and laboratory space are available. Please submit curriculum vitae, a summary of research and teaching interests, desired rank, and names and addresses of three references online at website: http://jobs.ttuhsedu (Job requisition #88407).

Screening and selection are set to begin June 1, 2013. For questions, contact the Search Committee Chair Dr. Ulrich Bickel (ulrich.bickel@ttuhsc.edu).

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Cristosal
Texas Tech University Health Sciences Center School of Medicine invites applicants for the position of Chair of the Department of Pharmacology and Neuroscience. The new Chair will be expected to build new and cutting-edge research programs while maintaining the current research and teaching strengths of the department.

The Department’s faculty research programs include neuroscience and substance abuse as well as cancer and cardiovascular pharmacology. The Department is also home to the South Plains Alcohol and Addiction Research Center (http://www.ttuhsc.edu/centers/spaarc/). There are currently 14 faculty in the department and 8 additional graduate faculty who provide graduate students additional research opportunities. Chair candidates must possess a Ph.D. and/or M.D. degree and be committed to directing, promoting, and developing the research and teaching missions of the department. Preferred candidates will have (a) a current senior-level academic rank (full professor or equivalent), (b) a strong extramurally-funded research program, and (c) excellent interpersonal skills and leadership qualities. TTUHSC has excellent core facilities for imaging, molecular biology and structural biology. Additional facilities are available in the Cancer Center and the Center for Membrane Protein Research in the TTUHSC School of Medicine and the Center for Biotechnology and Genomics in nearby Texas Tech University.

Lubbock is a city of over 200,000 on the South Plains of West Texas, with a family-friendly environment, good schools and a national ranking for a low cost of living and short average commute. The region has a diverse economy with strong contributions from agriculture, health care, and higher education. Lubbock is also home to Texas Tech University, which provides opportunities for collaboration as well as enjoyment of collegiate athletics and the performing and visual arts. Interested individuals must apply online at the following link: https://jobs.texastech.edu/postings/51691 (requisition number 88308). Women and underrepresented minorities are strongly encouraged to apply. CV and contact information for at least three references should be attached to the electronic application. Questions regarding the position can be directed to: Luis Reuss, MD, Chair, Search Committee for Chair of Pharmacology and Neuroscience, Texas Tech University Health Sciences Center, 3601 4th Street, Stop 6551, Lubbock, Texas 79430; E-Mail: Luis.Reuss@ttuhsc.edu

TTUHSC is an EEO/AA Employer.

IMB Investigatorship in Skin Biology
Institute of Medical Biology, A*STAR, Singapore

The Institute of Medical Biology (IMB) is a government-funded research institute of Singapore’s Agency for Science, Technology and Research (A*STAR). IMB’s research covers Stem Cells, Genetic Diseases and Skin Biology. Our goal is to understand the determinants of human health and disease, develop novel therapeutic strategies, and move our research towards translated applications. See http://www.imb.a-star.edu.sg.

Skin Biology is a target growth area for A*STAR, and IMB leads a Skin Biology Cluster to promote alignment between its research and the interests of industry. IMB is launching a career development initiative for young researchers in skin biology/dermatology.

The Investigator(s) in Skin Biology will establish a research team on a research project aimed at understanding the biology and function of skin and its associated structures. Positions are open to clinicians and life scientists. The Investigator will be expected to collaborate with cross-disciplinary clinical and/or scientific partners. Funding is provided to cover the Investigator’s salary, two junior staff positions, and laboratory running costs, initially for 3 years. The Investigator will also be expected to win external funding. Contracts are renewable for a 2nd term on evidence of excellent performance. Remuneration will be commensurate with qualifications and experience.

Submit applications to hr@imb.a-star.edu.sg, quoting “Investigatorship in Skin Biology” in the subject line. Applications must include a covering letter from the applicant, a full CV, a research proposal relevant to skin biology (max 1200 words), and the names and contact details of 3 academic referees. Closing date 15th May 2013.

For further information about the Institute of Medical Biology, please see website at http://www.imb.a-star.edu.sg
Professor of Circuits and Systems Neuroinformatics

The Department of Information Technology and Electrical Engineering (www.ee.ethz.ch) at ETH Zurich and the Faculty of Science (www.mnf.uzh.ch) of the University of Zurich invite applications for the above-mentioned position in the Institute of Neuroinformatics (INI) to complement and extend its vigorous research activities.

The research of the candidate should be directed towards the theory and practice of computation in neural systems and behavior, with a strong interest in theory driven experimental neuroscience and information processing by neural circuits. The successful candidate will combine cutting-edge theories and experiments in neural information processing and computation to explore the causal links between neuronal circuits and behaviour in animals. An ability to develop requisite neurotechnologies will be an asset. The successful candidate will contribute to a highly collaborative multi-disciplinary environment. We encourage internationally recognized candidates with strong research records to apply. We seek to fill a full professorship position, but tenure track appointments will be considered as well. The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

The INI is a joint institute of the Faculty of Science of the University of Zurich and the Department of Information Technology and Electrical Engineering of ETH Zurich. The INI fosters research at the interface between neuroscience, computing and engineering through its research, teaching and graduate training, and specialist international workshop programs. Its members conduct a coordinated research program by means of multidisciplinary teams composed of about 70 biologists, physicists, psychologists, engineers and computer scientists. Through many levels of experiment and theory INI scientists explore how the circuits of the brain process information to generate intelligent behavior. They exploit new developments in silicon technology and computers as a means of developing models and hardware implementations of information processing and storage in the brain. In order to strengthen interdisciplinary research, the new professor should have a strong overlap with existing interests in the INI, and also forge links with other institutes of the University of Zurich and the ETH Zurich (for example: Biology, Brain Research, Pharmacology, Computer Science, Information Technology and Electrical Engineering, Mathematics, and Physics).

Applications should include a curriculum vitae, a list of publications and statements of future research and teaching activities. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Ralph Eichler. The closing date for applications is 15 June 2013. ETH Zurich is an equal opportunity and affirmative action employer. In order to increase the number of women in leading academic positions, we specifically encourage women to apply. ETH Zurich is further responsive to the needs of dual career couples and qualifies as a family friendly employer. Please apply online at www.facultyaffairs.ethz.ch.
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UC Davis
Tenure-track Assistant Professor in Applied Physiology
Department of Animal Science

The Department is recruiting a tenure-track Assistant Professor (9-month appointment) who will develop a competitively funded and internationally recognized research program to understand the physiological mechanisms used by animals to respond to varied environmental conditions, in an area relevant to animal production, health, or well-being. The appointee will also participate in undergraduate and graduate teaching and mentoring, contribute to Departmental and University activities and undertake research and provide outreach relevant to stakeholders, consistent with the mission of the California Agricultural Experiment Station (http://caes.ucdavis.edu/research/agexpstn). Applicants should have a Ph.D. or equivalent degree, preferably with post-doctoral experience, in animal physiology or a related field. They should also have a track record of research excellence, preferably in an area relevant to animal management systems.

Applications: Application materials must be submitted via the website https://recruit.ucdavis.edu/apply/JPF00055. Additional inquiries should be directed to Professor Russ Hovey, Chair of the Recruitment Advisory Committee, 2145 Meyer Hall, Department of Animal Science, One Shields Avenue, University of California, Davis, CA 95616, (530) 752-1282; rchovey@ucdavis.edu. The position will remain open until filled. To ensure consideration, applications should be received by June 1, 2013.

UC Davis is an Affirmative Action/Equal Employment Opportunity Employer and is dedicated to recruiting a diverse faculty community. We welcome applications from all qualified applicants including women, minorities, veterans, and individuals with disabilities.
The Smithsonian’s National Museum of Natural History seeks a zoologist to conduct an integrative, specimen- or collection-based research program in vertebrate evolution and biodiversity (herpetology, ichthyology, mammalogy, and/or ornithology). The successful candidate is expected to develop an internationally recognized research program that makes important contributions to understanding vertebrate evolution and biodiversity through integrative research involving phylogenetics, anatomy, development, genomics, biogeography, conservation, informatics, or related fields. Frequent publication of highly regarded papers in competitive, peer-reviewed journals, curation of collections in specialty area, service to the scientific community in leadership capacities, acquisition of external funding, engagement in outreach activities, and mentorship of students are expected.

Full-time four-year term appointment with full Government benefits to be filled at the GS-12 level; U.S. citizenship required. The museum’s authorized salary range for this position at this time is $74,872 - $79,864 per annum. College transcripts and proof of U.S. accreditation for foreign study must be submitted online by the closing date of announcement or your application will be disqualified. For complete requirements and application procedures, go to websites: http://www.sihr.si.edu or http://www.usajobs.gov and refer to Announcement 13A JW-298398-DEU-NMNH. The announcement opens April 22, 2013. Applications and all supporting documentation must be received on-line by June 3, 2013 and must reference the announcement number. All applicants will be notified by e-mail when their application is received. The Smithsonian Institution is an Equal Opportunity Employer.

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