The Departments of Biochemistry & Molecular Biology (website: http://www.bmb.msu.edu) and Chemistry (website: http://www.chemistry.msu.edu) at Michigan State University (MSU) seek outstanding candidates for two tenure-track ASSISTANT PROFESSORSHIPS in the fields of structural biology and dynamics with an emphasis on membrane proteins and biomembranes. Successful candidates will develop a vigorous, externally funded research program using and/or developing modern molecular biophysical approaches to examine the structure and dynamics of membrane proteins involved in important biological functions including but not limited to, host pathogen interactions, signaling, ion or molecular transport, bioenergetics, and membrane biogenesis. These individuals will have the opportunity to use state-of-the-art facilities, which include a 900 MHz NMR, mass spectrometry facility, and dedicated synchrotron beamlines at Argonne National Laboratory. There are also opportunities to interact with a diverse group of MSU faculty working in structural biology and dynamics. In addition, the candidates will contribute to teaching undergraduate, graduate, and/or medical students in their home department.

Review of applications will begin on November 15, 2011 and continue until suitable candidates are identified. The Departments are highly committed to a diverse faculty and encourage applications from individuals in groups that have been traditionally under-represented in science faculties including women, persons of color, veterans, and persons with disabilities. Application materials should include a single file containing a cover letter, curriculum vitae, statement of research interests and future directions, and the names and e-mail addresses of three references. All application materials should be uploaded electronically at website: http://www.jobs.msu.edu for Position #5297. Questions regarding this position may be directed to Dr. Shelagh Ferguson-Miller (e-mail: fergus20@msu.edu) in Biochemistry & Molecular Biology and/or Dr. David Weliky (e-mail: weliky@chemistry.msu.edu) in Chemistry.

ASSISTANT OR ASSOCIATE PROFESSOR
UCSD Department of Neurosciences
Website: http://neurosciences.ucsd.edu/

Faculty Position for Neuroscientist who studies genomics or epigenomic control of basic neural processes, and/or regulation of gene expression in disease on disease mechanism or therapy. Candidate should be familiar with neuroscience, and have significant expertise with bioinformatics tools, including high-resolution analyses of genomic variation and expression. Ability to integrate information across platforms is highly desirable, together with willingness to interact in a highly collaborative environment while pursuing independent research interests. Background in bioinformatics is desirable. Assistant or Associate level. The La Jolla neuroscience community is extremely strong and diverse, providing an outstanding opportunity to develop an independent research program. Position will be within newly established Translational Neuroscience Institute in the School of Medicine. Competitive salary and startup. Commensurate with qualifications and based on University of California pay scales. Review of applications will begin November 30, 2011 and continue until the position is filled.

Application materials should be submitted via UCSD AP On-Line RECRUIT (website: https://apol-recruit.ucsd.edu/), an electronic job application system. See Position Posting 10-165 in RECRUIT. Please be prepared to provide curriculum vitae, two-page statement of research interests, and three letters of recommendation.

University of California, San Diego is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to excellence through diversity.

The Department of Neurobiology at Yale University School of Medicine is seeking to hire a scientist using genetic, molecular, or cellular approaches to examine brain system development and function. Although the emphasis will be placed on recruiting an ASSISTANT PROFESSOR, extraordinary applicants at the ASSOCIATE PROFESSOR or PROFESSOR levels will also be considered. We seek exceptional candidates with a track record of creativity and productivity, demonstrated potential for outstanding future achievements, and a desire to participate in a dynamic and growing Neuroscience community at Yale. Candidates are expected to mount a productive and innovative research program, to obtain outside funding, and to participate actively in graduate and medical education.

Candidates must hold a Ph.D., M.D., or equivalent degree. Please send curriculum vitae, selected reprints, a research plan, and the names of at least three references. All application materials should be sent electronically to the following e-mail: neuro.search@yale.edu. Applications will be reviewed as they are received, but must be received before December 1, 2011.

Yale University is an Affirmative Action/Equal Opportunity Employer. Yale values diversity in its faculty, students, and staff and especially welcomes applications from women and underrepresented minorities.

The Department of Biology at the University of Minnesota Duluth (UMD) invites applications for a tenure-track ASSISTANT PROFESSOR position in Genetics, broadly defined, beginning August 2012. We seek a person with research experience in genetics, or closely related field, who will instruct lecture and laboratory courses in genetics, develop at least one advanced course in their area of specialization. The area of specialization is open; applications from candidates with expertise ranging from population genetics to genomics will be equally considered. The successful candidate will establish an independent, externally funded research program involving undergraduates, and M.S. and Ph.D. students. Service to the department, college, and University is also expected. Opportunities exist for collaboration with researchers at UMD’s Natural Resources Research Institute, Large Lakes Observatory, College of Pharmacy, School of Medicine, and the EPA Mid-Continent Ecology Division. State-of-the-art research and instruction facilities and competitive startup funding are available. Essential qualifications include a Ph.D. or terminal degree in the biological sciences, evidence of potential for achievement in teaching appropriate for appointment at the Assistant Professor level, peer-reviewed publications, and strong oral and written communication skills. The University of Minnesota requires that you apply online for this position. For a complete position description and information on how to apply online, visit websites http://employment.umn.edu/, and search for Job Recruitment 174713. Complete applications will be reviewed beginning November 22, 2011 and continue until the position is filled. The University of Minnesota is an Equal Opportunity Educator and Employer.
This summer, the European Commission announced a €7 billion (US$9.6 billion) investment in science, its largest funding package ever for research. This boost in science capital, up 9 percent from last year, is part of the European Union’s (EU) Seventh Framework Programme for research and technology development (FP7), and will fund research that will “tackle the biggest societal challenges facing Europe and the world.” It is expected to create approximately 174,000 jobs in the short-term and 450,000 jobs total, and nearly €80 billion (US$113 billion) in gross domestic product (GDP) growth over 15 years.

This is good news for scientists looking for work in Europe. “An integral part of excellence is integration or mobility of researchers from many different nations,” says Michael Jennings, spokesperson for Máire Geoghegan-Quinn, European Commissioner of Research, Innovation and Science. “We are investing in research and innovation in Europe and creating the conditions and priorities to better attract and retain scientists.”

For academics who desire employment on this diverse and captivating continent, it is important to remember that while many aspects of European science are the same no matter which country you are in (for example, all EU scholars can apply for funds from the European Research Council [ERC]), there are also numerous differences that exist between the member states and their higher education systems. The postdoc appointment is one such illustration: “Although the concept of postdoctoral researchers is well understood, there is considerable variability in job titles and in the practical organization of this stage in Europe,” according to the 2010 European Science Foundation (ESF) Report, “Research Careers in Europe: Landscape and Horizons” (http://scim.ag/qrFZHZ).

But one thing is consistent across borders: Opportunities for employment abound, as long as you know how to navigate the member states’ systems.

GERMANY: STRONG AND OPEN FOR BUSINESS

Germany, with a population of approximately 82 million, seems to be faring better than many of its EU neighbors. “You need to have something to offer—such as collaborations, expertise on topics which would complement theirs, or teaching experience—in order to be selected for a permanent position.” —Jani Kotakoski

For more information on getting a postdoc appointment in Germany, see the upcoming feature “Focus on Europe: Germany.”

UPCOMING FEATURES

- Neuroscience: Emerging Fields—November 4
- Focus on China—December 9
- BS/MS Scientists (online only)—January 13

http://scim.ag/qrFZHZ
during this economic tumult. According to the Economist, it is in a “comfortable” fiscal situation, “aided by a strongly growing economy will help to reduce the deficit without tough public spending cuts or tax rises.” Cathleen Fisher, president of the American Friends of the Alexander Von Humboldt Foundation, which promotes and supports the activities of the parent Humboldt Foundation, which provides exchanges between German and American scientists, echoes this sentiment. “Germany is in a relatively good position, having weathered the 2008 financial crisis quite well,” she states.

The nation is advancing in the midst of financial fragility for a variety of reasons, says Andreas Pinkwart, former minister for research in North-Rhine-Westphalia, and currently dean of HHL–Leipzig Graduate School of Management. “The German economy has learned to be very export-oriented and global-oriented.” For example, in the last five years, the government developed a ranking system for its universities in an effort to make them more internationally competitive, he adds.

This impetus to improve the higher learning institutes is one slice of a pie composed of three federal initiatives, which will support research and development, student funding, and university infrastructure. Each enterprise has its own time frame and budget, although the total amount exceeds €20.7 billion (US$28.4 billion), and “guarantees annual budget increases of at least 5 percent for the largest science funding and science performance organizations”, explains Max Vögler, director of the North America Office of the German Research Foundation (DFG, Deutsche Forschungsgemeinschaft).

Jani Kotakoski, currently an adjunct professor of physics at the University of Helsinki, completed his postdoc at Technische Universität Darmstadt. His three-year contract was funded by DFG and focused on materials science and high-pressure physics. “I was interested in a permanent position in Germany,” he says, “but I was extremely unlikely to obtain one with the experience I had at the time.” By that point, Kotakoski explains, he had completed only one postdoc, which is not usually enough experience to be considered a top candidate—at least in a field like materials science where the competition is very tough.

He returned to his native Finland and rejoined the group from which he had received his Doctorate. Now Kotakoski is on his way to a new position at the University of Vienna, “which is likely to greatly improve my research profile,” he says. “My view is that after two to three years there, I will be able to get a good position elsewhere, like Austria, Germany, Finland, or maybe other Nordic countries.”

For scientists interested in relocating here, Kotakoski advises interested parties to obtain contacts in advance and pursue a contract position. “One thing to also keep in mind is that the people who make the decision are the other faculty members,” he affirms. “Hence, you need to have something to offer—such as collaborations, expertise on topics which would complement theirs, or teaching experience—in order to be selected for a permanent position.”

With a known deficiency in tenure-track positions, and a distinctive tradition of requiring academics to complete a second thesis (called Habilitation) to even qualify for tenured employment, “Germany has tried to introduce new paths” toward landing these treasured jobs, says Fisher. “The addition of junior professorships as an alternative to the fulfillment of a Habilitation is one such route, depending on the institution and field.”

Furthermore, it is significant to note that in Germany, the Ph.D. is considered to be an acceptable entry point for industrial jobs. Vögler cites that with 2.4 percent of the German workforce holding Doctorates, compared to an estimated 1.4 percent in the United States, “there is no general expectation to go into academia,” he says. Pinkwart comments that approximately half the Doctorates go to work in industry versus academia.

UK: GETTING BETTER ALL THE TIME

The United Kingdom is the third largest economy in Europe, after Germany and France, and is a scientific powerhouse that cannot be doubted: “With just 1 percent of the world’s population, the UK receives over 12 percent of citations to published papers..., and receives 10 percent of internationally recognized prizes each year;” according to its embassy’s website.

But only a decade ago, the government commissioned a study in which various problems that negatively affect the supply chain of scientific academic jobs were identified. “It appears that this is not an attractive career path for many of the brightest Ph.D. graduates. This is both harming the UK’s research base and causing recruitment and retention difficulties for universities,” according to the report led by Sir Gareth Roberts, a Welsh physicist. Among the challenges concerning postdoctoral and other contract research staff noted were: Uncertain career prospects associated with work on a short-term contractual basis, unsatisfactory training in the skills required in an academic career, and increasingly uncompetitive salaries.

Today, the UK system still has its troubles. But things seem to be getting better, and the nation continues to attract scientists from abroad to its noted institutions. Case in point: Raymond E. Goldstein, the Schlumberger Professor of Complex Physical Systems in the Department of Applied Mathematics and Theoretical Physics at the University of Cambridge. An American who arrived in the United Kingdom continued »
Shine your light in Germany
Profit from excellent conditions for research

The Alexander von Humboldt Professorships are Germany’s way of creating a beacon effect and energising its research landscape. Every year, the Alexander von Humboldt Foundation is offering ten of the world’s leading researchers up to five million EUR each to create new or consolidate existing internationally visible research focus areas at German universities.

Academics of all disciplines are eligible for an Alexander von Humboldt Professorship, provided that they are established abroad and recognised internationally as top-class researchers. They will be nominated by German universities – where appropriate in cooperation with non-university research institutions. Each Alexander von Humboldt Professorship will be sponsored for a period of five years on the premise that the university presents a convincing strategy to sustain the position once the funding period has come to an end. Accordingly, universities are asked to submit an implementation plan as part of the funding application. This will allow new, long-term research groups to be established, conducting cutting-edge (international) research. The German Ministry of Education and Research is supporting this programme.

five years ago, Goldstein was a professor at the University of Arizona when he was appointed to the chair.

He admires the process to hire him. “Their interest in me was not the money I could bring in, but rather the science,” he says. Goldstein appreciates that faculty are paid full-year salaries, as opposed to nine month salaries as seen in the States. “This is recognition that research is a fundamental part of your job,” he adds. There is a mandatory retirement age (67, which may be changing), but many retirees keep their labs, supported by their pension.

For younger scientists eyeing careers in British academia, Goldstein suggests that the best way to get a job may be to do an early postdoc here. Indeed, this is something that Ryan Seipke, a senior research associate (essentially a postdoc) in the School of Biological Sciences at the University of East Anglia, is currently undertaking. Originally from the United States, he chose the United Kingdom for his training in part because he wanted to gain international experience. When his three-year contract ends in 2012, he can apply for another.

As he starts his job search process, Seipke notes a number of ways in which one could potentially join the faculty of an English university. One is to secure a postdoc-to-professor transition fellowship. These highly competitive, prestigious opportunities are offered by several organizations (private and governmental), including the Royal Society, Biotechnology and Biological Sciences Research Council, Leverhulme Trust, and Medical Research Council. “They are an unofficial stamp of approval to the university that you might be a star and successful in securing more grant money,” opines Seipke. At the conclusion of the fellowship, he says, you are often offered a permanent faculty job.

FRANCE: PUTTING SCIENCE BACK INTO THE HEART OF THE NATION

The French Republic is the 20th largest country in the world by demography, but the fifth biggest scientific power with over 210,000 public and private researchers and, in total, almost 800,000 engineers and scientists nationwide, according to a report issued by its Ministry of Higher Education and Research. With a modern history of domestic scientific achievement dating back to the end of World War II, France has capitalized on its scientific assets with the adoption, in 2009, of a National Research and Innovation Strategy with a very specific and worthwhile goal: “To put back research and innovation at the heart of French society and economy.”

Indeed, as the country transitions from an economy that incorporates more governmental control to one that is more autonomous, “France has strived to reshape the landscape of higher education and research,” says a French official involved in the management of bilateral cooperation programs. Initiatives include the creation of a new funding agency in 2005, the National Research Agency (ANR, L’Agence nationale de la recherche), a decentralization of universities to give them more independence, and financial incentives to internationalize laboratories, which is part of the “government push to attract faculty from abroad,” he describes.

One element of France’s higher education is seemingly matchless in the EU: prior to the last five years, academia offered “only tenured positions” explains the French official. “Now we have contract positions also.” This evolution, combined with the flexibility granted to the institutions to recruit and negotiate salaries for their research faculty, has helped the nation become more attractive to top scientific talent. But the completion of an in-country contract position is still the preferred route to obtaining a professorship.

Björg Elisabeth Kilavik can attest to this manner of hiring. After completing a postdoc in Marseille, she will start a permanent job as a principal investigator/research scientist at the National Center for Scientific Research (CNRS, Centre National de la Recherche Scientifique). As an employee of the state, Kilavik will be subject to a mandatory retirement age, but she will not have teaching responsibilities, although this could change. “At these types of institutions, we are very privileged,” she notes.

Kilavik realizes how attractive France is for academics seeking tenure. In Germany, where she completed her Ph.D., “I could maybe have gotten a five-year contract as a junior professor, but there are few possibilities of getting a tenure-track position,” she says. In France, “at least the permanent positions exist,…which gives stability. More people in Europe are realizing…[France] is close to the only place where these positions exist.”

SCANDINAVIA: FAIRING WELL AND GROWING

United by similar cultures and language, the Nordic countries of Norway, Sweden, and Denmark support internationalism and an ease of movement of scholars from one nation to another. Almost all universities are state funded, and grants are generally bestowed by the individual countries’ research councils, either directly to a PI or through the PI’s institution, depending upon the country and type of grant. While many other countries demonstrate fiscal distress, Scandinavia’s economies are resilient. Norway has a budgetary surplus, and Sweden is debt-free. All three countries have annually increased spending on research and innovation for the last few years.

“We are so fortunate in Scandinavia, we are not continued »
The London Research Institute (LRI) is Cancer Research UK’s flagship research Institute, focusing on the analysis of fundamental biological processes involved in cancer. The Institute’s international staff work in 50 research groups, housed in well-supported laboratories at Lincoln’s Inn Fields in central London, and at Clare Hall in Hertfordshire.

LRI encourages pursuit of ambitious and longer-term research programmes at the highest level. The London Research Institute is core-funded by Cancer Research UK. LRI Group Leaders receive generous Institute core funding for personnel (research fellows, graduate students and technical support), laboratory consumables, access to the Institute’s comprehensive core technology facilities, backed by a substantial laboratory space and equipment package and competitive employment terms.

For 2011 recruitment, we are interested in outstanding Scientists seeking to establish independent innovative research programmes to address fundamental questions in Cancer Biology including but not limited to:

• **Tumour Biology:** tumour-host interactions, cancer models, human cancer genomics
• **Chromosome Biology:** DNA damage, Cell Cycle regulation
• **Computational Biology:** Bioinformatics, biological networks, image processing.

Informal enquiries may be made by e-mail to Julian.Downward@cancer.org.uk or John.Diffley@cancer.org.uk

Applications by Clinically qualified candidates wishing to hold Senior Clinical Research Fellowships at the Institute are welcomed. For information about the London Research Institute, its staff, and their research interests visit [www.london-research-institute.co.uk](http://www.london-research-institute.co.uk)

In 2015 the LRI will become part of the new Francis Crick Institute, based in a state-of-the-art laboratory building at St Pancras in central London. Research at the new Institute will focus on interdisciplinary approaches to the biology of human health and disease. The Crick will be home to 1,250 researchers from the LRI, the MRC National Institute for Medical Research, and the London Universities UCL, KCL and Imperial College.

Read about The Francis Crick Institute at [www.crick.ac.uk](http://www.crick.ac.uk)

To apply, please visit [https://lrigroupleader.cancerresearchuk.org](https://lrigroupleader.cancerresearchuk.org) and submit a CV, publication list, past and future research plans (approx 2,000 words) and the contact details of at least three academic referees in a .pdf format. Please note that referees will be instructed to submit letters of recommendation online at the time your application is received.

Closing date: 27th November 2011.
in an economic crisis such as in central and south Europe,” says Mikael Lindgren, a Swede who is currently a professor of optical sciences at the Norwegian University of Science and Technology. “There appears to be no lack of money in Norway for research and development in sectors such as energy, health, offshore and construction, only a lack of skilled labor.” Permanent academic jobs can be found throughout the region, although they are scarce in Denmark and Sweden because there are few universities in those countries. “In Norway it can be difficult to recruit ‘local’ Ph.D. students and postdocs because of the competition from the industrial and health sectors,” he remarks.

Ylva Hellsten, a professor of exercise and sports science at the University of Copenhagen, has been in Denmark for 15 years. She acknowledges the difficulty for foreigners in securing permanent academic positions in this former seat of Viking power, particularly those from outside of Scandinavian countries, who may be unfamiliar with the language. Furthermore, there are only eight universities, and “Ph.D. students typically stay within the Danish system for academic employment,” she says. However, the tide may be changing. In 2007, 10 percent of researchers at Danish universities were of foreign descent, states Christian Lundager, assistant to the director general of the Danish Agency for Science, Technology and Innovation (Forsknings- og Innovationsstyrelsen), but from 2007–2009, one-third of all new appointments at the assistant professor level or above were from abroad.

Peter Byass, a professor of global health at Umeå Centre for Global Health Research within Umeå University in Sweden, recently considered how the country might become more attractive to international researchers. He cites that while the nation of 9 million people boasts a positive working environment which emphasizes academic autonomy, public appreciation for science, and universal healthcare, there are still several hurdles to recruiting foreign scholars. For example, the academic review process for senior posts can seem “unbelievably slow and complex to outsiders,” and it can be “hard for outsiders to understand expectations put on researchers,” especially given unfamiliar management styles, he says.

But with world-class research institutions and the ability to submit grant proposals in English, Scandinavia is an attractive option for international scientists. Kristoffer Meinander, a Swedish-speaking Finn who is a postdoc at the University of Aarhus in Denmark, says that foreigners may be surprised to learn the extent of scientific knowhow and funding for research infrastructure that exists here. “I wouldn’t have expected to find this high level in Scandinavia.”

Indeed, throughout Europe, international scholars are discovering its scientific assets are continuing to prosper even amidst an ambiguous economic landscape. And now with support from the European Union’s Seventh Framework Programme and related national initiatives, the continent seems poised to advance even further, creating more attractive opportunities for foreign scholars looking to contribute to its research endeavors.

Alaina G. Levine is a science writer based in Tucson, Arizona, USA. DOI: 10.1126/science.opms.r1100110

FEATURED PARTICIPANTS

Aarhus University
www.au.dk/en

American Friends of the Alexander von Humboldt Foundation
www.americanfriends-of-avh.org

Danish Agency for Science, Technology and Innovation
en.fi.dk

Delegation of the European Union to the USA
www.eurunion.org/eu

Embassy of France in the U.S.
ambafrance-us.org

HHL-Leipzig Graduate School of Management
www.hhl.de

National Center for Scientific Research (CNRS)
www.cnrs.fr/index.php

North America Office of the German Research Foundation (DFG)
www.dfg.de/en/dfg_profile/head_office/dfg_abroad/north_america/

Norwegian University of Science and Technology
www.ntnu.edu

Seventh Framework Programme for Research and Technology Development
europa.eu/legislation_summaries/energy/european_energy_policy/i23022_en.htm

Umeå Centre for Global Health Research
www.globalhealthresearch.net

University of Cambridge
www.cam.ac.uk

University of Copenhagen
www.ku.dk/english

University of East Anglia
www.uea.ac.uk

University of Helsinki
www.helsinki.fi/university
IST AUSTRIA IS LOOKING FOR

Professors and Assistant Professors

IST Austria (Institute of Science and Technology Austria) invites applications for Professors and Assistant Professors in all fields of the natural and mathematical sciences and related disciplines. Outstanding scientists in physics, chemistry, and mathematics are especially encouraged to apply.

The Institute, which is situated on the outskirts of Vienna, was established by the Austrian government with a focus on basic research. The campus opened in 2009 and is expected to grow to 45 research groups and over 500 employees by 2016. IST Austria is entitled to award PhD degrees and includes an English-language graduate school. It aims to achieve an international mix of scientists and chooses them solely on the basis of their individual excellence and potential contribution to research.

The Institute recruits tenured and tenure-track leaders of independent research groups. The successful candidates will receive a substantial annual research budget but are expected to also apply for external research grants.

For further information and access to the online application material, please consult: www.ist.ac.at/professor-applications
Deadline for receiving Assistant Professor applications: January 15, 2012

IST Austria values diversity and is committed to equality. Female researchers are encouraged to apply.

CALL FOR PhD STUDENTS

The Graduate School at IST Austria invites applicants from all countries to its PhD program. IST Austria is a new institution located on the outskirts of Vienna dedicated to cutting-edge basic research in the natural sciences and related disciplines. The language at the Institute and the Graduate School is English.

The PhD program combines advanced coursework and research, with a focus on Biology, Computer Science, Neuroscience, and interdisciplinary areas. IST Austria offers internationally competitive PhD salaries supporting 4-5 years of study. Applicants must hold either a BS or MS degree or equivalent.

The Institute offers PhD students positions with the following faculty:

- Nick Barton: Evolutionary and Mathematical Biology
- Jonathan P. Bollback: Evolutionary Biology
- Sylvia Cremer: Evolutionary and Behavioral Biology
- Caroline Uhler: Statistics
- Tobias Bollenbach: Biophysics and Systems Biology
- Călin C. Guet: Systems and Synthetic Biology
- Carl-Philipp Heisenberg: Cell and Developmental Biology
- Harald Janovjak: Molecular and Cellular Biophysics
- Daria Sikkhaus: Cell and Developmental Biology
- Michael Sixt: Cell Biology and Immunology
- József Csicsvari: Systems Neuroscience
- Peter Jonas: Neuroscience
- Gašper Tkačik: Theoretical Biophysics and Neuroscience
- Krishnendu Chatterjee: Game Theory and Software Systems Theory
- Herbert Edelsbrunner: Algorithms, Geometry, and Topology
- Thomas A. Henzinger: Software Systems Theory
- Vladimir Kolmogorov: Computer Vision and Graph Algorithms
- Christoph Lampert: Computer Vision and Machine Learning
- Krzysztof Pietrzak: Cryptography
- Chris Wojtan: Computer Graphics

Additional faculty members will be announced on the IST website www.ist.ac.at.

For further information and access to the online application please consult www.ist.ac.at/gradschool.
For inquiries, please contact gradschool@ist.ac.at. For students wishing to enter the program in the fall of 2012, the deadline for applications is January 15, 2012.

IST Austria values diversity and is committed to equality. Female students are encouraged to apply.
Head of Crystallography, Oxford

Vertex creates new possibilities in medicine. Our team discovers, develops and commercializes innovative therapies so people with serious diseases can lead better lives. Vertex scientists and our collaborators are working on new medicines to cure or significantly advance the treatment of hepatitis C, cystic fibrosis, epilepsy and other life-threatening diseases. Founded more than 20 years ago in Cambridge, MA, we now have ongoing worldwide research programs and sites in the United States, United Kingdom and Canada. Vertex has consistently been recognized as one of the industry’s top workplaces by leading publications such as the Boston Globe, Boston Business Journal, San Diego Business Journal and The Scientist, and most recently was named the top employer in Science magazine’s 2011 annual survey.

As the UK-based subsidiary, Vertex Pharmaceuticals (Europe) Ltd brings together scientists from various disciplines and backgrounds to form a highly creative and productive team that works on finding medicines for the treatment of cancer and inflammatory diseases. Our new research facility in Oxfordshire is equipped with the latest technology that enables us to tackle all aspects of early phase small molecule drug discovery and, with the help of the wider organization, take on some of the most ambitious goals in the industry.

Structure based drug design, has enabled all our major achievements so far. It is our intention that this technology will continue to play a central role in the way we do drug discovery. The close proximity of the Diamond Light Source makes the UK site particularly important in this field of Vertex research. The now vacant job of Head of Crystallography is therefore a wonderful career opportunity for someone with skills in structural biology and a desire to make important new drugs.

You are most likely to have a PhD and extensive experience in protein crystallography. Strong leadership skills are required and excellent written and oral publication record is a must. Experience with pharma-biased methodologies such as fragment-based lead generation and the ability to rapidly assess and introduce novel technologies would be an advantage. The Head of Crystallography will be expected to influence Vertex research on both sides of the Atlantic within the structural biology groups and also by providing ideas and impetus for new projects. In order to do this, communication skills and the ability to work in collaboration must be first rate. An interest in biological and chemical science beyond structural biology would be most useful since this would allow the candidate to take career opportunities in multi-disciplinary project leadership.

If you are innovative and focussed on achieving success within a collaborative environment, please visit our website www.vrtx.com to find out more information and apply.

Closing date for applications is 7th November 2011.

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The Vienna Center for Quantum Science and Technology (VCQ) invites applications for the Vienna Quantum Fellowships

These newly established Fellowships in Experimental or Theoretical Quantum Science will be awarded both on the PhD- and the postdoc-level on the basis of an international competition. The appointments are for a three-year duration. Postdoctoral Fellowships carry a competitive annual salary, and offer an annual research expense fund. PhD Fellowships will participate in the Vienna graduate program CoQuS.

The Vienna Quantum Fellowship program has been established with the support from the Austrian Ministry of Science and Research to offer young scientists the best possible opportunity to develop their talents in the environment of the Vienna Center for Quantum Science and Technology (VCQ).

The VCQ faculty provides a broad variety of research opportunities in the areas of Experimental and Theoretical Quantum Science (see http://vcq.quantum.at):

- Matter-wave interferometry and quantum atom optics
- Micro- and nanoscale quantum optics and quantum optomechanics
- Microoptics and novel quantum states of light
- Cold atoms and degenerate quantum gases
- Many-body quantum physics and quantum simulations
- Entanglement-based quantum communication on Earth and via satellites
- Quantum information and foundations of physics

Application material should be sent to vcq@quantum.at Detailed and additional information regarding application can be obtained from http://vcq.quantum.at/fellowships

Deadline for the application is December 1, 2011. Fellowship candidates will automatically be considered for other available postdoctoral positions in their fields of interest.

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GRADUATE PROGRAM

Graduate Program in Computational Engineering Science

The Aachen Institute for Advanced Study in Computational Engineering Science (AICES) is a graduate school established within the frame of the German Excellence Initiative. AICES focuses on computational engineering science including such diverse fields as modeling and simulation; optimization; inverse problems and high-performance computing.

There is a limited number of openings in the AICES graduate program for exceptionally qualified students who hold a bachelor’s or master’s degree in engineering, natural science, mathematics, or computer science.

AICES offers a five-year path to the doctorate for students with bachelor’s degrees, or a three-year path with master’s degree, due to a novel advising and training concept. Admitted candidates receive tax-free stipends of 2000 € per month for the doctoral phase and 500 € per month for the master’s phase.

Graduate School AICES
RWTH Aachen
Germany
www.aices.rwth-aachen.de
www.aices.rwth-aachen.de/admission

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Photo: Peter Winandy
Research Opportunities in Luxembourg.
See what’s behind.

**PEARL**

LUXEMBOURG’S RESEARCH PROGRAMME FOR INTERNATIONALLY RECOGNISED SENIOR RESEARCHERS

If you are an internationally recognised senior researcher, our research programme PEARL gives you the opportunity to establish a high-profile research programme in a research institution in Luxembourg (University of Luxembourg and other Research Centres) and thus to accelerate the development of and to strengthen the country’s research priorities. The financial contribution will be up to 5M EUR over a duration of five years.

**ATTRACT**

LUXEMBOURG’S RESEARCH PROGRAMME FOR OUTSTANDING YOUNG RESEARCHERS FROM ALL OVER THE WORLD

If you are an outstanding young researcher, our research programme ATTRACT allows you to set up an independent research team within a research institution in Luxembourg. Through your innovation, dynamism and creativity as well as the high scientific quality of your research project, you will help to enhance Luxembourg’s position in the international world of research. Projects selected under ATTRACT have a lifespan of five years and the financial contribution will be up to 1.5M EUR. The 6th ATTRACT Call will be launched in December 2011.

More information about ATTRACT and PEARL as well as the other funding opportunities offered by the National Research Fund Luxembourg can be found on the FNR’s website. Go and see what’s behind on www.fnr.lu/pearl and www.fnr.lu/attract

For an overview on research in Luxembourg, have a look at www.publicresearch.lu

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We think there’s a solution for every problem. That’s why BASF researchers from all disciplines always work on innovations with passion. Help us, in a modern environment, to find not just products but comprehensive solutions for tomorrow’s challenges. That’s how we create chemistry. At BASF. Find out more now and send your application to: www.basf.com/career
The Kavli Institute for Systems Neuroscience of the Faculty of Medicine at the Norwegian University of Science and Technology (NTNU) invites applications for a faculty position in systems neuroscience. The new position is part of NTNU’s strategic effort in the field of neuroscience.

We seek applicants with experience and interest in using state-of-the-art molecular and cellular technologies to understand neural networks and behaviour. The successful candidate holds a Ph.D. and has experience leading a research team and attracting international funding. The candidate has a track record in both molecular-cellular and systems neuroscience, with outstanding publications, and she/he demonstrates ability to develop an internationally competitive research programme. Participation in teaching activities at master’s and PhD level is required.

The applicant will benefit from the strong infrastructure at the Kavli Institute for Systems Neuroscience at NTNU (www.ntnu.no/cbm). Start-up funding, including scientific equipment and PhD/post doctoral fellows, is negotiable. The position is advertised at the rank of Professor but may alternatively be defined as a qualification fellowship for a period of no longer than 3 years in case of sufficient future potential. Young applicants not yet qualified for full professorship are thus encouraged to apply.

Applicants should submit a cover letter, a CV with a complete publication list, copies of 5 selected papers, a summary of research achievements, a research plan, and 3 letters of reference (referees should send letters directly to Edvard Moser, Director of the Kavli Institute, edvard.moser@ntnu.no).

The complete advertisement is available at www.jobbnorge.no.

Submit applications through www.jobbnorge.no within 1 December, 2011.

For further information about the position contact Edvard Moser, edvard.moser@ntnu.no, tel. +47 73598278; information about the application process contact Brit Løbeck Fladvad, HR- section, Faculty of Medicine, brit.fladvad@ntnu.no.

See also http://www.medisin.ntnu.no/eng/
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Senior Level Research Position

WEILL CORNELL MEDICAL COLLEGE and NEW YORK-PRESBYTERIAN HOSPITAL

Thrombosis research with particular reference to diagnosis, treatment and prevention of occlusive vascular diseases.

Since 1958, the laboratories have been located at the New York VA Medical Center and Weill Cornell Medical College. The major focus is on the etiology and pathogenesis of increased, therapeutically resistant blood cell and vessel wall reactivity. The main emphasis of the research is on the vascular and molecular biology of all blood cell and vessel wall components. Metabolic effects of cell-cell interactions as initiated with multiple agonists are under study for identification of transcellular metabolism, both in vitro and ex vivo. The guiding premise is that thrombosis is strictly a multicellular process and must be treated by newer methodologies.

Requirements: The applicant should have a Ph.D. or an M.D.-Ph.D. with a minimum of five years of post-doctoral experience. It would be important to have a publication record—especially in high impact journals. The incumbent should also have a proven ability to obtain independent funding previously. The ability to develop a research project and work independently on the main theme of the laboratory is desirable. The ability to interact with colleagues and synergize with them to advance the research of the laboratory is highly important. The ability to write and co-author research and clinical publications and also to develop specific aims for a research grant would be expected.

Qualified candidates should submit their complete curriculum vitae and bibliography in addition to three references to the Department of Human Resources, WEILL CORNELL MEDICAL COLLEGE, 1300 York Avenue, Room C610 (Box 113), New York, NY 10065; ajmarcus@med.cornell.edu.

Old Dominion University

Climate Change & Sea Level Rise Initiative

Old Dominion University has created an exciting new Climate Change and Sea Level Rise Initiative and seeks a senior level faculty member in any discipline related to climate change and sea level rise to help lead this initiative. The goal of the Initiative is to foster research, education and outreach on the impact that climate change and sea level rise may have on metropolitan communities that are situated at or close to sea level. Old Dominion University, a state-assisted Carnegie doctoral/research-extensive institution that serves almost 25,000 students including more than 6,000 graduate students, is itself located in the city of Norfolk in the metropolitan Hampton Roads region of coastal Virginia. A broad range of faculty from across the entire university, ranging from science and engineering to the social sciences, education, business and health sciences, are currently involved in this initiative (see http://www.odu.edu/a0/research/ccslri/). The successful candidate will be part of the leadership team, will be an effective leader and advocate for the Initiative, and will be expected to contribute to the Initiative through research, teaching and service activities.

Applications should possess an appropriate terminal degree and an academic record that merits a tenured appointment at the rank of associate or full professor in one of the academic departments within the University. A successful record in research and grant writing is required, as is evidence of leadership and the ability to interact and communicate clearly with internal and external communities.

Applications should include a letter of interest that addresses the Initiative’s goals, a curriculum vitae, and contact information for three professional references including e-mail addresses and phone numbers. Review of applications will begin November 11, 2011 and the position will remain open until an appointment is made.

Applications and nominations should be submitted electronically to: CCSLR Search Committee, attention Judy Bowman (jbowman@odu.edu), 222 Koch Hall, Norfolk, VA 23529.

Old Dominion University is an affirmative action, equal opportunity institution and requires compliance with the Immigration Reform and Control Act of 1986.
Assistant Professor of Cell Biology and Neuroscience

The Department of Cell Biology and Neuroscience at Rutgers, The State University of New Jersey, Piscataway, seeks to fill two tenure-track positions at the Assistant Professor level. Individuals working on all aspects of cell biology or neurobiology are invited to apply; those with research programs that integrate with and complement current faculty research will be given highest priority. The new faculty may be part of the Brain Health Institute initiative. The Department is located on the Rutgers Busch Campus and is part of the Division of Life Sciences, a group of Departments and Institutes that serves to provide opportunities for interdisciplinairy research. Current collaborations within the DLS range from biomaterials and nanotechnology to human genetics and stem cells. The Campus is located near the UMDNJ-Robert Wood Johnson Medical School and is less than one hour away from New York City and Philadelphia.

Applicants must have a Ph.D. and/or M.D. with a minimum of three years postdoctoral experience. The successful candidate will be expected to establish an independent research program supported by external funding and to contribute to undergraduate and graduate education. The Department offers excellent facilities and competitive start-up packages. Interested individuals are encouraged to apply online through the CBN website (http://cdn.rutgers.edu) with a curriculum vitae, a brief statement of research plans, and the names, addresses, and contact information of three individuals who will provide a letter of reference. Applications received after December 1, 2011 will be considered if positions remain available.

Rutgers University is an Equal Opportunity/Affirmative Action Employer.

Faculty Position in Genomics

The School of Life Sciences and The Biodesign Institute at Arizona State University invite applications for a tenure-track faculty position at the level of Assistant Professor whose research is at the interface between Genomics and Life Sciences. Research methods may include theoretical, computational, and empirical approaches in population genetics, functional and comparative genomics, and bioinformatics. The successful candidate will be expected to develop an innovative, extramurally-funded, research program, teach at the undergraduate and graduate levels, and have a commitment to outreach and service. The successful candidate will be expected to mentor undergraduate and graduate students as well as postdoctoral fellows. A competitive start-up package and teaching load compatible with high research productivity will be provided.

Arizona State University has made a commitment to accelerating the translation of basic discoveries into practical benefits for society through the construction of state-of-the-art research facilities and the recruitment of world-class faculty members. The successful candidate will participate in university-wide health and/or sustainability initiatives supported by core facilities for functional genomics and next generation sequencing, functional proteomics, high throughput cellular screen, bioinformatics, high performance computing, and imaging. More information on genomic research opportunities at the Biodesign Institute and the School of Life Sciences at ASU can be found at http://genomics.asu.edu.

Candidates must have a Ph.D. (or equivalent) in an appropriate field, and a minimum of 2 years of postdoctoral training is preferred. Demonstrated teaching and research excellence is preferred.

To apply, send cover letter, your curriculum vitae, three representative publications, separate statements of future research plans and teaching philosophy and interests, and contact information for three references to be sent to Alan Rawls, Chair, Genomics Faculty Search Committee, School of Life Sciences, PO Box 874501, Tempe, AZ 85287-4501. Electronic applications sent as PDF files to solsfacultysearch@asu.edu are preferred. The initial closing date for receipt of applications is November 11, 2011; applications will be reviewed weekly thereafter until the search is closed. For additional information on this position and the School of Life Sciences, please visit http://sols.asu.edu/jobs. A background check is required for employment. Arizona State University is an equal opportunity/affirmative action employer committed to excellence through diversity. Women and minorities are encouraged to apply.

Tenure/Tenure Track Faculty Position in Biological Sciences

The Department of Biological Sciences at Wayne State University (http://www.clas.wayne.edu/biology/) anticipates hiring a tenure-track professor with research expertise in systems or computational biology. Preference will be given to candidates working in areas complementing the department’s existing strengths in transcription and gene regulation, organismal and evolutionary development, intra- and intercellular signaling, genomics, and community and landscape ecology. Rank will be dependent upon qualifications.

Wayne State University is a large, comprehensive, nationally ranked research institution that offers state-of-the-art research facilities and highly competitive start-up packages. The metropolitan Detroit area offers a rich cultural and educational environment, an excellent standard of living, and easy proximity to Michigan’s lakes, forests and recreational sites. Applicants must have a Ph.D. degree, postdoctoral experience and an outstanding record of research achievement. Successful applicants are expected to establish and maintain vigorous, externally funded research programs and to participate in graduate and undergraduate education. All positions are posted on-line at jobs.wayne.edu. In addition to an online application that includes cover letter and curriculum vitae, applicants must submit a 2-page statement of their research plans and have three letters of reference sent to the Faculty Search Committee: ad5348@wayne.edu. Please apply by November 30, 2011 for full consideration. Applications will be considered only when all materials have been received.

Wayne State University is an affirmative action/equal opportunity employer. Women and members of minority groups are especially encouraged to apply.

Tenure-Track Position in Cell Biology

McGill University

The Department of Biology at McGill University invites applications for a tenure-track position in cell biology. We are seeking an energetic, interactive individual who will complement the Department’s recognized strengths, across a wide range of model organisms, in developmental genetics, neuroscience, biophysics, and cell biology. The ideal applicant will employ advanced modern techniques to address questions of broad biological significance. The candidate will have convenient access to state-of-the-art imaging facilities and other major core services as a member of the McGill Life Sciences Complex. Applicants should possess a Ph.D. or equivalent degree in Biology or a related discipline, postdoctoral experience, and a significant track record of research excellence. The successful applicant will be expected to conduct a vigorous program of independent, externally funded research and to contribute to teaching at both the undergraduate and graduate levels. We anticipate that this position will be filled at the ASSOCIATE or FULL PROFESSOR (tenure track) level, but applications from more established candidates will be considered for recruitment at the ASSOCIATE or FULL PROFESSOR rank. Competitive startup and equipment funding packages are available. Persons wishing to be considered for this position should forward via e-mail: a curriculum vitae, a statement of research interests, a statement of teaching interests, PDF files of major publications, and arrange to have three letters of reference submitted directly by e-mail to: recruit.biology@mcgill.ca. In the subject line, please enter Biology Faculty Search and your name. Acceptable file formats are Microsoft Word and PDF.

The application deadline is December 2nd, 2011.

All qualified applicants are encouraged to apply; however, Canadian and permanent residents will be given priority. McGill University is committed to diversity and equity in employment. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities and others who may contribute to further diversification.
The University of Michigan seeks outstanding applicants for tenure-track and tenured clinical and biomedical informatics faculty positions. UM hosts a Clinical and Translational Sciences Award (CTSA) Biomedical Informatics Program, 40 current Bioinformatics PhD students and NIGMS bioinformatics and NCI proteome informatics training grants. We have active national outreach for minority candidates.

We are currently recruiting up to 3 senior and 5 junior faculty members to establish independent individual and team-based research programs. Informatics research teams are welcome to apply as a unit. After multiple recent recruitments in the area of basic bioinformatics, our emphasis this cycle is in biomedical/clinical informatics. Specific joint appointments may be considered, for appropriate candidates, with the Dept. of Human Genetics, Electrical Engineering and Computer Science, School of Information, School of Public Health, School of Nursing or other appropriate units. In addition, affiliation with Centers, including the Comprehensive Cancer Center, Depression Center, Cardiovascular Center and Metabolomics and Obesity Center will be encouraged. There are extensive computational and information infrastructural resources are available to individual recruits and teams. For appropriate individuals, opportunities exist for faculty leadership roles in Research Information Technology management and operations and to influence institutional priorities in clinical and biomedical informatics.

Successful candidates will have a PhD and/or MD degree, or equivalent, with post-doctoral training, on topics such as biomedical data mining and machine learning; multi-scale integrative analysis; natural language processing (NLP) and ontologies applied to biomedicine; informatics related to healthcare delivery and personalized medicine (e.g. clinical decision support or pharmacogenomics). Publications and funding, as evidence of research productivity, a detailed research plan as well as evidence for an interest in in graduate and post-doctoral education will be essential components of the application. The rank of selected candidates will depend upon experience and qualifications.

Applicants should send a letter of interest with Curriculum Vitae, Research Plan, and a list of three or more references (including names, phone numbers, and email addresses) to: Search Committee, Department of Computational Medicine and Bioinformatics, Job Code 200. The University of Michigan, 2017 Palmer Commons, 100 Washtenaw Ave, Ann Arbor, MI. 48109-2218, email: ccmbrrecruit@umich.edu. For appropriately qualified candidates, simultaneous application to the UM Biological Sciences Scholars Program, BSSP, is strongly encouraged (for more information see: http://www.med.umich.edu/medschool/research/bssp/).

Applications will be reviewed through March 2012 beginning October 2011. Ann Arbor is a remarkable cultural and living environment. The University of Michigan is responsive to the needs of dual career families and is an Equal Opportunity Affirmative Action Employer committed to diverse faculty, staff and student body.

http://ccmb.med.umich.edu

The University of Michigan is an Affirmative Action/Equal Opportunity employer and actively encourages women and members of underrepresented minorities and individuals with disabilities to apply.

FACULTY POSITION  
Department of Chemistry and Biochemistry  
Texas State University-San Marcos

The Department of Chemistry and Biochemistry at Texas State University-San Marcos seeks to fill a new faculty position in any area of Chemistry or Biochemistry, beginning fall 2012. Applicants at all ranks will be considered. The successful candidate at the Assistant Professor rank must have a Ph.D. in Chemistry, Biochemistry, Chemical Education or a closely-related field; postdoctoral research experience; a track record substantiating the potential to establish an externally-funded research program that involves undergraduate and/or graduate students; and the capability to teach courses in chemistry, biochemistry, and/or chemical education. The successful candidate at the Associate Professor or Professor rank must meet all qualifications for the Assistant Professor rank, in addition to the following: five or more years of experience as a university faculty member; and a record consistent with (1) success in obtaining externally-funded research grants, (2) quality peer-reviewed publications, and (3) significant professional service activities. At all ranks, preference will be given to candidates whose areas of teaching and research expertise complement the department’s goals; and to candidates who can effectively mentor students.

Texas State University-San Marcos is located in the burgeoning Austin-San Antonio corridor at the edge of the hill country, and is the 5th largest campus in Texas with more than 34,100 students. The Department of Chemistry and Biochemistry currently has 20 faculty, 30 M.S. graduate students, and 350 undergraduate majors, most of whom participate in research. The Department also is a participant in a proposed interdisciplinary Ph.D. program in Materials Science, Engineering, and Commercialization. For additional information, please visit http://www.txstate.edu/chemistry.

All application materials should be emailed to Chem_Search@TsState.edu. A complete application consists of the following: (1) a cover letter identifying the rank for which you are applying, the area(s) of your teaching and research interests, and a list of the three individuals (with contact information) who will be submitting letters of reference; (2) a CV; (3) a one-page summary of teaching philosophy and interests; (4) an outline of research plans (3 pages or less); (5) undergraduate and graduate transcripts; and (6) three letters of reference, emailed directly from each referee. To receive full consideration, application submissions should be complete by December 4, 2011. Review of complete applications will begin December 5 and will continue until the position has been filled.

Texas State University - San Marcos is an equal opportunity employer; women and members of underrepresented minorities and individuals with disabilities are encouraged to apply.
Get a Career Plan that Works.

An exceptional career requires insightful planning and management. That’s where Science Careers comes in. From job search to career enhancement, Science Careers has the tools and resources to help you achieve your goals. Get yourself on the right track today and get a real career plan that works. Visit ScienceCareers.org.
Faculty Positions in Cardiovascular & Metabolic Disorders

We invite applicants with a PhD, MD or equivalent, and a record of outstanding promise and achievements, for our faculty positions in cardiovascular and metabolic disorders. The Duke-NUS Cardiovascular and Metabolic Disorders (CVMD) Signature Research Program will bring together top-flight researchers investigating the interactions between metabolic disorders and cardiovascular disease, focusing on translational discoveries that can impact clinical care. Investigators will address diverse aspects of the problem from diabetes and dyslipidemia to hypertension and vascular disease.

Positions include full salary as well as generous start-up and 5 years of annual research funding to assure a stable base of support to be supplemented by competitive awards. Candidates should submit a cover letter, curriculum vitae, summary of research accomplishment and an outline of future plans by February 1, 2012 to:

Thomas Coffman, MD, Director
Cardiovascular and Metabolic Disorders Program
Duke-NUS Graduate Medical School SIngapore
8 College Road, Singapore, 169857
E-mail cvmd.recruit@duke-nus.edu.sg

ABOUT DUKE-NATIONAL UNIVERSITY OF SINGAPORE GRADUATE MEDICAL SCHOOL
Duke–NUS brings post-baccalaureate, research-intensive medical education and research to Asia, and represents a truly global partnership between Duke University in the U.S. and National University of Singapore (NUS). Duke-NUS shares a modern campus with Singapore’s largest hospital, Singapore General Hospital, and several national centers, including the National Heart Centre. The facilities in nearby Biopolis also provide a unique array of complementary resources. In addition, the CVMD program has close associations with the Duke Cardiovascular Research Center and Duke Global Health Institute.

www.duke-nus.edu.sg

Faculty Tenure Track Positions

Faculty Position in Environmental Engineering and Science at Northwestern University

The Department of Civil and Environmental Engineering at Northwestern University invites applications for a tenure-track or tenured faculty position in Environmental Engineering and Science. We seek outstanding applicants in any area of environmental research who have a strong fundamental knowledge base, perform cutting-edge cross-disciplinary research, and have the ability to contribute substantially to our core teaching efforts environmental science and engineering. Areas of particular interest include: environmental microbiology, biotechnology, and microbial ecology, innovative approaches to sustainable water use, design and development of advanced treatment technologies, and linkages between water, ecosystems, biogeochemical cycles, and global change.

Review of applications will begin in October 2011, and the search will proceed until the position is filled. Preference will be given to applications submitted by November 30, 2011.

Applications should be submitted electronically as a PDF document containing a cover letter, curriculum vitae, a two-to-three-page description of research accomplishments and plans for future work, a one-to-two page description of teaching interests, and a list of at least three persons who can provide letters of recommendation. Application materials should be submitted to the Environmental Search Committee Chair via the web interface at http://facultysearch.mccormick.northwestern.edu/apply/index/ND1

It is anticipated that this position will be filled at the junior level but outstanding senior candidates will also be considered.

Northwestern University is an Affirmative Action, Equal Opportunity Employer. Women and individuals in underrepresented groups in science and engineering are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Chair, Biomolecular Chemistry

University of Wisconsin School of Medicine and Public Health, Madison, Wisconsin

The UW SMPH invites applications and nominations for the position of Chair of the Department of Biomolecular Chemistry (BMC), to succeed Dr. Robert Fillingame, who will be stepping down after ten years as Chair. The BMC Department has thirteen faculty members, each with an active research program in a variety of areas ranging from biophysical chemistry to cellular and developmental biology. The Department’s graduate program, which is collaboratively directed by faculty in BMC and the Biochemistry Department in the College of Agriculture and Life Sciences attracts, on average, 25 very high quality students annually. The department also attracts graduate students from other multidisciplinary programs on campus and currently houses 40 - 45 students in the various research laboratories in addition to 30 post-doctoral trainees and other research staff. The department currently participates in several multidisciplinary training grants and has an impressive portfolio of extramural grants to the faculty.

We seek an accomplished scientist with a strong record of academic and administrative leadership. Special emphasis will be given to experience in both graduate student and medical student education, the mentoring of junior faculty, and a sustained record of extramural research funding. The successful candidate will have an exciting vision for the future of biochemical research, education, and training in a leading academic medical center. Candidates must have a PhD degree or equivalent and must have academic credentials for a tenured faculty appointment at the University of Wisconsin-Madison.

Send a letter of application or nomination, with curriculum vitae, to: K. Craig Kent, M.D., and Rod Welch, Ph.D., BMC Chair Search Committee, c/o Jamie Edge, 4150 HSLC, 750 Highland Avenue, Madison, WI, 53705-2111, jledge@wisc.edu.

To receive full consideration, applications should arrive by February 1, 2012.

Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. Wisconsin Caregiver Law applies.

The University of Wisconsin is an equal opportunity, affirmative action employer. For more information: www.med.wisc.edu http://www.bmolchem.wisc.edu/index.html
Heal the sick, advance the science, share the knowledge.

The Division of Pulmonary and Critical Care Medicine, in conjunction with the Mayo Clinic Cancer Center in Rochester, MN, is seeking a highly productive Ph.D. and/or M.D. scientist to lead a developing Program in Lung Cancer. The ideal candidate will be an established investigator at the Associate or Full Professor level with a strong record of extramural funding, exceptional productivity in cancer research and leadership experience. Academic appointment is available in any of the Mayo Graduate School of Medicine basic science departments.

The Mayo Clinic has over 200 biomedical research laboratories, institutionally supported state-of-the-art animal, molecular and microscopic core facilities, a number of unique human disease tissue banks and opportunities to readily translate discovery to the bedside. Very competitive start-up and sustained intramural funding will be provided.

Interested applicants should submit curriculum vitae, description of research plans and names and addresses of three references by December 1, 2011 online at: www.mayoclinic.org/physician-jobs (job #6442BR), or email to:

Ms. Trish Iverson
Search Committee Secretary
Email: iverson.patricia@mayo.edu

Mayo Foundation is an affirmative action and equal opportunity employer and educator. Post-offer/pre-employment drug screening is required.

Jefferson Science Fellowship

The National Academies is pleased to announce a call for nominations and applications for the 2012 Jefferson Science Fellows program. Initiated by the Secretary of State in 2003, this fellowship program engages the American academic science, technology, engineering and medical communities in the design and implementation of U.S. foreign policy.

Jefferson Science Fellows (JSF) spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, D.C. that may also involve extended stays at U.S. foreign embassies and/or missions.

The fellowship is open to tenured, or similarly ranked, academic scientists, engineers and physicians from U.S. institutions of higher learning. Nominees/applicants must hold U.S. citizenship and will be required to obtain a security clearance.

The deadline for 2012-2013 program year applications/nominations is January 13, 2012. To learn more about the Jefferson Science Fellowship and to apply, visit the JSF web at:

www.nas.edu/jsf

LOS ALAMOS NATIONAL LABORATORY

Los Alamos National Laboratory, a premier national security research institution delivering innovative science and engineering solutions for the nation’s most crucial and complex problems, has the following opening:

Scientist - Leader, DOE Protein Crystallography Station User Facility

The Bioscience Division is seeking a Scientist and Principal Investigator to oversee operation of the Protein Crystallography Station (PCS) at the Lujan Neutron Scattering Center. Funded by the U.S. Department of Energy Office of Biological and Environmental Research, the PCS is the most productive of its kind in North America, and the first to be built at a spallation neutron source. The PCS is utilized by the International structural biology community to investigate the structure of proteins, biological polymers and membranes. The successful candidate will lead a team of scientists and postdoctoral researchers focused on structural biology, combination of X-ray and neutron crystallography, protein purification, biochemistry, molecular biology and function. This individual will participate with broader institutional teams to help build the structure/function effort at Los Alamos, foster collaborations internally and externally, advance neutron crystallography and develop new scientific/technical processes or approaches to incorporate the latest scientific advances to expand the scope of the PCS.

Requirements: Ph.D. in structural biology, biophysics, biochemistry or related discipline, with emphasis on neutron diffraction and X-ray/neutron protein crystallography. Demonstrated scientific eminence, scientific leadership and program development experience. Successful experience leading multidisciplinary project teams required. Established track record as a skillful spokesperson. Familiarity with User Facility operations is highly desirable.

For further information on the position and how to apply, contact Ms. Karen Neely at telephone 505-665-6592 or email karenn@lanl.gov.

Los Alamos supports a drug-free workplace and is an Equal Opportunity Employer.

www.lanl.gov/jobs

Your career is our cause.

www.sciencecareers.org

- Job Postings
- Job Alerts
- Resume/CV Database
- Career Advice
- Career Forum

Get help from the experts.
Assistant or Associate Professor
Structural Biology - Tenure Track

Job Opening ID Number: 4543
Closing Date: November 15, 2011

The City College, host site of the New York Structural Biology Center, home campus of The City University of New York Macromolecular Assemblies Institute, and a CUNY flagship campus, invites applications for a tenure-track faculty position in Structural Biology with emphasis on Electron Microscopy and/or X-ray crystallography. We are seeking a candidate who will develop a world-class, externally funded research program that aims to elucidate structure/function correlations in biomolecules. This Chemistry Department position may be at the rank of Assistant or Associate Professor. The new faculty member will be expected to teach both undergraduate and graduate level courses and mentor undergraduate and graduate students. The successful candidate should have a Ph.D. in biophysics, chemistry, or biochemistry and substantial postdoctoral experience in structural biology or related fields and ability to build a productive externally funded research program.

HOW TO APPLY

- Go to www.cuny.edu and click on "Employment"
- Click "Search job listings" - Click on "More search options"
- Search by Job Opening ID number - Click on the "Apply Now" button and follow the instructions.

To be considered for this position, a curriculum vitae (CV), list of publications, a description of current and future research plans, a description of teaching philosophy and 2-3 representative journal articles should be combined and uploaded as a single PDF. The 3 letters of reference should be sent directly by email to Ms. Denise Addison (dma@sci.ccny.cuny.edu).

Assistant or Associate Professor
Molecular Neurobiologist

Job Opening ID Number: 4678
Closing Date: Until Filled; Applications will be reviewed starting December 1, 2011

The Biology Department at City College of the City University of New York invites applications for a tenure-track or tenured position in Molecular Neurobiology at the level of either Assistant or Associate Professor to begin Fall 2012. We are searching for an outstanding molecular neurobiologist performing cutting-edge research in fundamental cellular or developmental processes in the nervous system. Candidates should have demonstrated research excellence and collaborative skills to interact with a vibrant, expanding neurobiology group. The candidate’s research program should complement the current departmental research in molecular neurobiology, systems neurobiology, and behavior. The successful candidate will be expected to teach in both undergraduate and doctoral programs and work collaboratively within the City University of New York. For areas of departmental strengths, see www.ccny.cuny.edu/biology.

QUALIFICATIONS

Junior candidates should have a Ph.D., postdoctoral experience, and a strong record of publications; senior candidates should have a strong history of federal funding, research productivity, and teaching at the undergraduate and graduate level.

COMPENSATION

Commensurate with qualifications and experience. Competitive start-up package available.

HOW TO APPLY

If you are viewing this job posting in CUNYFirst, please click on “Apply Now” on the bottom of this page and follow the instructions.

If you are viewing this job posting externally, please apply as follows:

- Go to www.cuny.edu and click on “Employment”
- Click "Search job listings" - Click on "More options to search for CUNY jobs" - Search by Job Opening ID number - Click on the "Apply Now" button and follow the instructions.

Letters of recommendation from at least three referees should be sent directly to the search committee: Molecular Neurobiology Search Committee - Department of Biology, J526 The City College of New York, 160 Convent Avenue, New York, NY 10031
biogenesis@sci.ccny.cuny.edu
fax: 212 650-8595

EQUALLY EMPLOYMENT OPPORTUNITY

We are committed to enhancing our diverse academic community by actively encouraging people with disabilities, minorities, veterans, and women to apply. We take pride in our pluralistic community and continue to seek excellence through diversity and inclusion. EO/AA Employer.

Two Faculty Positions in RNA Research

The University invites applications for two tenure track Assistant Professor positions in RNA science and technology.

CELL/DEVELOPMENTAL BIOLOGIST, Department of Biological Sciences: conducting research on the role of RNA, including but not exclusive to non-coding or microRNA molecules, in post-transcriptional gene regulation or other cellular and/or developmental processes.

CHEMIST/BIOCHEMIST, Department of Chemistry: conducting research in RNA science and its applications in areas such as, but not limited to, modified nucleosides, synthesis, imaging, and analytical chemistries as it pertains to RNA structure/function relationships, including interactions with proteins and other RNAs.

Both positions will be affiliated with the RNA Institute (http://www.albany.edu/rna) with state-of-the-art laboratories housed in the Life Sciences Research Building (http://www.albany.edu/lifesciences). The Institute brings together more than 35 investigators from the College of Arts & Sciences, the College of Nanoscale Science and Engineering, the School of Public Health, and regional institutions including the Wadsworth Center, Rensselaer Polytechnic Institute, and Albany Medical College. This creates an outstanding environment for research collaborations.

Instructional responsibilities will be consistent with the position and those of the faculty in the home department, and the interests of the candidate.

Submit applications for CELL/DEVELOPMENTAL BIOLOGY at:
http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=27938
Submit applications for CHEMIST/BIOCHEMIST at:
http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=27907

Applications must include a CV with publications cited in detail and any present or past grant funding, statement of research interests, statement of teaching interests, and a minimum of three references with contact information.

The successful candidates for both positions will be offered a competitive salary, start-up package, and research space in the Life Sciences Research Building.

Qualifications for both Candidates: Ph.D. from a college or university accredited by the U.S. Department of Education or an internationally recognized Accrediting organization and a strong publication record reflecting significant scientific accomplishments. Applicants must address in their applications their ability to work with and instruct a culturally diverse population. Preferred qualifications include productive post-doctoral training and the potential or demonstrated ability, to obtain independent extramural funding.

Review of applications will begin on November 15, 2011 and continue until the positions are filled.

The University at Albany is an EEO/AA/IRCA/ADA employer.
Outstanding POSTDOCTORAL FELLOWS are sought to conduct research into the pathogenesis of AIDS. Using the nonhuman primate model of AIDS we are examining host and viral determinants and mechanisms that underlie host control of and protection from infection.

The successful candidate will have a DVM, M.D., or Ph.D. in the life sciences along with evidence of first author papers published or accepted in peer-reviewed journals. The candidate will also have excellent written and verbal communication skills and analytical capabilities and a solid understanding of immunology and virology and techniques such as polyacrylamide gel electrophoresis, immunohistochemistry, and in situ hybridization. Molecular biology skills will also be useful.

To apply, send a cover letter and curriculum vitae and the names of three individuals who may be contacted for references to Andrew A. Lackner, DVM, Ph.D., Professor of Microbiology, Immunology and Pathology, Director, Tulane National Primate Research Center at e-mail: rita@tulane.edu.

Tulane University and Louisiana State University are Affirmative Action/Equal Opportunity Educators and Employers. Individuals from under-represented minorities are strongly encouraged to apply.

FACULTY POSITION in Microbiology
San José State University

San José State University (SJSU) invites applications for a tenure-track ASSISTANT PROFESSOR position in microbiology to begin August 20, 2012 (website: http://www.sjsu.edu/facultyaffairs/Unit_3/Tenure_Track/Employment/index.htm). Preference will be given to applicants in such areas as eukaryotic microbiology, virology, microbial genomes, microbial proteomics, and host-microbial interactions, and will also be considered. For full consideration send a letter of application, curriculum vitae, university undergraduate and graduate transcripts, statement of teaching interests, and at least three letters of recommendation to: Cleber Ouvrney, Department of Biological Sciences, San José State University, San José, CA 95192-0100. E-mail: cleber.ouvrney@sjsu.edu. For full consideration, apply by November 4, 2011. Please include Job Opening Identification (JOID) 14215 on all correspondence. SJSU is an Equal Opportunity/Affirmative Action Employer committed to the values of inclusion, civil rights, and respect for each individual.

FACULTY POSITION in Neurophysiology
San José State University

San José State University (SJSU) invites applications for a tenure-track ASSISTANT PROFESSOR position in neurophysiology to begin August 20, 2012 (website: http://www.sjsu.edu/facultyaffairs/Unit_3/Tenure_Track/Employment/index.htm). Preference will be given to applicants whose background complements and augments existing faculty and programs. Experience in vertebrate neurophysiology is essential. For full consideration send a letter of application, curriculum vitae, university undergraduate and graduate transcripts, statement of teaching interests/philosophy and research interests, and at least three official letters of reference to: Michael Sneary, Chair, Department of Biological Sciences. San José State University, San José, CA 95192-0100. E-mail: michael.sneary@sjsu.edu. For full consideration, apply by November 4, 2011. Please include Job Opening Identification (JOID) 14216 on all correspondence. SJSU is an Equal Opportunity/Affirmative Action Employer committed to the core values of inclusion, civil rights, and respect for each individual.

ASSISTANT/ASSOCIATE PROFESSOR
Department of Neuroscience & Physiology
State University of New York
Upstate Medical University

We seek applications to fill two tenure-track positions at either the Assistant or Associate Professor level from individuals studying any area of Neuroscience. The successful applicants will be expected to develop well-funded research programs and to contribute to graduate and medical teaching. We offer a highly competitive startup package and salary. Appointment at the Associate Professor level will require demonstration of outstanding achievement and current extramural funding. Further information about the Department can be found at website: http://www.upstate.edu/neuroscience/. Candidates should have a Ph.D. or equivalent, post-doctoral experience, and a strong publication record. Applicants should e-mail a PDF file containing curriculum vitae, summary of research accomplishments, and future research plans to e-mail: neurosci@upstate.edu. In addition, three letters of reference should be addressed to: Dr. Barry E. Knox, Chair, Department of Neuroscience & Physiology, WH 3223, 750 East Adams Street, Syracuse, New York 13210.

Review of applications will begin November 1, 2011, and continue until the positions are filled. SUNY Upstate Medical University is an Affirmative Action/Equal Opportunity Employer engaging excellence through diversity. Women and minorities are strongly encouraged to apply.

MEDICAL DIRECTOR
Physician, biomedical researcher, or other medical/bioscience professional sought by Manhattan family to research and coordinate family medical and health care issues. This person will manage a small team of professionals and interfaces with physicians, medical researchers, and consultants (in academia and otherwise) to ensure delivery of highest-quality medical care to family members. Considerable weight will be given to unusual academic distinction and other intellectual achievements. A M.D. or a Ph.D. or M.S. is required, and clinical experience is a plus. This is a full-time position with a highly attractive compensation package and significant upside potential. Resume to e-mail: mdrecr@ gmail.com.

ASSISTANT PROFESSOR
of Genome Biology

The School of Biological Sciences at Illinois State University (website: http://www.bio. illinoisstate.edu) invites applications for a tenure-track faculty position at the level of Assistant Professor in the Department of Genome Biology. The successful applicant should be engaged in research that blends bioinformatics with molecular experimentation to address fundamental questions in broad areas of structural, functional, evolution, or related area. We seek applicants with a Ph.D., or equivalent, and post-doctoral experience, a demonstrated potential to secure external funding and an interest in working within a diverse academic community. The successful applicant will be expected to develop an independent externally funded research program, and be involved in both graduate and undergraduate teaching and mentoring.

The School of Biological Sciences at Illinois State University is currently home to 85 M.S. and Ph.D. candidates and over 500 B.S. majors. To apply, send descriptive cover letter, curriculum vitae, one- to two-page statement of future research goals, and contact information for three references as a single PDF file to Dr. Wade Nichols, c/o Sally Little via e-mail: salilt2@ilstu.edu. Review of applications will begin on November 1, 2011 and continue until the position is filled. Intended start date August 16, 2012. Illinois State University is an Equal Opportunity University encouraging diversity.

ASSISTANT PROFESSOR
of Molecular Pathology

The Institute of Bioinformatics and the Department of Computer Science at the University of Georgia invite applications for a joint tenure-track faculty position at the Assistant Professor level, to start August 2012. The tenure home is in Computer Science. We are interested in strengthening and complementing our existing broad program in Bioinformatics at the University of Georgia. The candidate should have a Ph.D. or equivalent degree in Computer Science, Bioinformatics or a closely related field and a strong research track record at the interface of computer science and biology. The candidate will be expected to maintain a rigorous externally funded research program that will contribute to undergraduate and graduate teaching in both Computer Science and Bioinformatics degree programs. For information about the breadth of the units, see websites: http://job.uga.edu and http://cs.uga.edu.

Applications should be uploaded to website: http://recruitment.franklin.uga.edu and should include a cover letter, curriculum vitae, and brief statement of teaching and research interests. Three letters of recommendation should be uploaded separately to the same website. The committee will begin reviewing applications on November 15, 2011 until the position is filled.

The Institute of Bioinformatics, the Department of Computer Science, the Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and to sustaining a work and learning environment that is inclusive. Women, minorities, and people with disabilities are encouraged to apply. The University is an Equal Employment Opportunity/Affirmative Action Institution.

Translational Neuroscience: The University of Arizona seeks to hire a tenure-eligible physician-scientist at the rank of ASSISTANT or ASSOCIATE level in Neurosciences. Visit website: https://www.uacareertrack.com (Job Number 48123) or contact Search Committee Chair, Carol A. Barnes, Ph.D. at e-mail: carol@nmsa.arizona.edu. Affirmative Action/Equal Opportunity Employer.
WOMEN IN SCIENCE

forging new pathways in green science

Read inspiring stories of women working in “Green Science” who are blending a unique combination of enthusiasm for science and concern for others to make the world a better place.

Download this free booklet
ScienceCareers.org/LOrealWiS

This booklet is brought to you by the AAAS/Science Business Office in partnership with the L’Oréal Foundation.

Ontario Cancer Institute at Princess Margaret Hospital, Canada, is seeking independent investigators broadly interested in basic and translational aspects of pancreatic cancer research. Candidates with MD, MD-PhD, or PhD degree(s), will be considered for a Scientist or Senior Scientist level appointment at Ontario Cancer Institute with joint academic appointment at University of Toronto.

The candidate will be part of an interdisciplinary research program at Ontario Cancer Institute that involves genomics, stem cell biology, signal transduction, cell biology, hypoxia, imaging, proteomics, structural biology, nanotechnology and tumor immunology. In addition, the candidate will have the opportunity to take a leadership position in pancreatic cancer research within a strong and integrated existing clinical and translational research group.

Successful candidates will have demonstrated expertise in pancreatic cancer research and have the potential to develop a vigorous research program that is broadly focused in the area of pancreatic cancer.

Interested candidates should submit a CV, a three page research summary outlining their past research accomplishments and their short-term and long-term research goals and three letters of recommendation by Nov 25th to:

Email: opcanc@uhnres.utoronto.ca

Senthil K. Muthuswamy, Ph.D.
Chair, Pancreatic Cancer Faculty Search Committee
Ontario Cancer Institute and Campbell Family Institute for Breast Cancer Research
Princess Margaret Hospital
9-303, 610 University Avenue
Toronto, Ontario, M5G 2M9
**THE UNIVERSITY OF WEST VIRGINIA**

The Department of Biological Sciences (website: [http://biology.wvu.edu](http://biology.wvu.edu)) at West Virginia University (FIU) is seeking applicants for a full-time, OPEN RANK FACULTY POSITION in molecular biology to begin Fall 2012. The position is part of the strategic initiative of the School of Integrative Science and Humanities (SISH) to support the planned Institute of Biomolecular and Biomedical Sciences (IBBS). The area of molecular biology is broadly defined and includes research that will build the department’s strength in genomics, proteomics, and biomedical applications. The successful candidate will have a strong record of scholarly activity and external funding. Rank is open, but preference will be given to senior applicants who are attracted to the challenges of playing a leadership role in building the IBBS and fostering its multidisciplinary environment. Advanced junior applicants with strong research credentials and demonstrated potential for obtaining external funding will also be considered. A Ph.D. in the appropriate discipline is required. Interested candidates should apply online at website: [http://www.fwjobs.org](http://www.fwjobs.org) and reference Position Number 35539. Please include curriculum vitae, list of publications, contact information for three potential references, and a letter describing research interests. Inquiries may be addressed to Dr. Walter Van Hamme, Chair, Biomolecular Science Search Committee (e-mail: wvanhamme@hsc.wvu.edu). Review of applications will begin on December 1, 2011, and continue until the position is filled.

**RANK-OPEN FACULTY POSITION in Comparative Immunology**

Florida International University (FIU) is a member of the State University System of Florida and is an Equal Opportunity/Equal Access/Affirmative Action Employer.

The Department of Biological Sciences at Florida International University (FIU) (website: [http://casgroup.fiu.edu/Biology/](http://casgroup.fiu.edu/Biology/)) is seeking applicants for two tenure-track positions at the ASSISTANT PROFESSOR level in the Department of Biology, to begin August 2012. These individuals will be members of an international faculty that will create a new, internationally recognized department. Applicants will be expected to develop a vigorous, externally funded research program, supervise graduate students in our Ph.D. program, as well as teach undergraduate courses including General Genetics and other courses in their areas of expertise. Areas of prospective research must include but are not limited to: genomics/phylogenetics, metagenomics, population genetics, ecological genetics, and environmental microbiology. To ensure full consideration, applications should be received by November 21, 2011. Screening of applications will begin on that date and continue until a suitable candidate is selected. Applications will only be accepted electronically as PDF files. Applications must include cover letter, curriculum vitae, summary of research interests and teaching goals. Please submit applications to e-mail: tceder@fiu.edu. Additional information may be obtained from the website: [http://www.fujiobs.org](http://www.fujiobs.org) and reference Position Number 35538. FIU is a member of the State University System of Florida and is an Equal Opportunity/Equal Access/Affirmative Action Employer.

**RANK-OPEN FACULTY POSITION in Bioinformatics**

The Department of Biological Sciences at Florida International University (FIU) (website: [http://casgroup.fiu.edu/Biology/](http://casgroup.fiu.edu/Biology/)) is seeking applicants for an open-rank tenure-track position in Bioinformatics. The successful candidate will be expected to develop an externally funded research program, supervise graduate students in our Ph.D. program, and teach undergraduate courses including General Genetics and other courses in their areas of expertise. Areas of prospective research must include but are not limited to: genomics/phylogenetics, metagenomics, population genetics, ecological genetics, and environmental microbiology. To ensure full consideration, applications should be received by November 21, 2011. Screening of applications will begin on that date and continue until a suitable candidate is selected. Applications will only be accepted electronically as PDF files. Interested applicants should submit their applications online via website: [http://www.fujiobs.org](http://www.fujiobs.org) and reference Position Number 35537. FIU is a member of the State University System of Florida and is an Equal Opportunity/Equal Access/Affirmative Action Employer.

**RANK-OPEN FACULTY POSITION in Postdoctoral Fellowships**

The Geophysical Laboratory, Carnegie Institution of Washington, invites applications for postdoctoral fellowships. The Geophysical Laboratory emphasizes interdisciplinary research with theoretical and experimental approaches in geosciences, atmospheric and ocean sciences, and astrophysics. Successful candidates will have a strong publication record and be expected to develop a vigorous, externally funded research program.

Please see website: [http://www.gl.ciw.edu/employment/Postdoctoral_Fellowships](http://www.gl.ciw.edu/employment/Postdoctoral_Fellowships) for application details.

**POSTDOCTORAL FELLOWSHIPS**

**RANK-OPEN FACULTY POSITION in Marine Genetist**

The Florida International University (FIU) is seeking applicants for a Marine Genetist (rank open, senior applicants are encouraged) for a tenure-track position in the Department of Biological Sciences (website: [http://casgroup.fiu.edu/Biology/](http://casgroup.fiu.edu/Biology/)). He or she will participate in the Marine Science Program (website: [http://casgroup.fiu.edu/marine/](http://casgroup.fiu.edu/marine/)), a new and growing interdisciplinary initiative emphasizing research and teaching in coastal marine science. The Marine Science Program is hosted in a recently completed building in FIU Biscayne Bay Campus in the city of North Miami, and currently is home to 12 research laboratories, two teaching laboratories, wet labs, a mesocosm facility, and an aquarium with water systems. The successful candidate will be expected to maintain an externally funded research program, supervise graduate students in our Ph.D. program, as well as teach undergraduate courses including General Genetics and other courses in their areas of expertise. Areas of prospective research may include but are not limited to: genomics/phylogenetics, metagenomics, population genetics, ecological genetics, and environmental microbiology. To ensure full consideration, applications should be received by November 21, 2011. Screening of applications will begin on that date and continue until a suitable candidate is selected. Applications will only be accepted electronically as PDF files. Applications must include cover letter, curriculum vitae, summary of research interests and teaching goals. Please submit applications to e-mail: tceder@fiu.edu. In addition, applicants should arrange for three letters of reference to be sent directly to the same e-mail address. Interested applicants are also required to submit their applications online via website: [http://www.fujiobs.org](http://www.fujiobs.org) and reference Position Number 35538. FIU is a member of the State University System of Florida and is an Equal Opportunity/Equal Access/Affirmative Action Employer.

**FACULTY POSITION – BIOCHEMISTRY**

The Department of Chemistry and Biochemistry at Auburn University invites applications for a tenure-track, nine-month position in biochemistry at the level of ASSISTANT PROFESSOR. The candidate is expected to develop a vigorous, externally funded research program. Although we are particularly interested in persons with expertise in biomacromolecular X-ray crystallography, we welcome applications from individuals with research interests in any area of chemical or biochemical research. Candidates also should be dedicated to work at the undergraduate and graduate levels. A Ph.D. in chemistry or biochemistry and at least one year of postdoctoral experience are required. The candidate selected for this position will be expected to work at the University of the United States on the date the appointment is scheduled to begin (August 2012) and continue working legally for the proposed term of employment. Excellent communication skills required.Minorities and women are encouraged to apply. Applications should submit curriculum vitae, statements of research plans and teaching philosophy, and three letters of reference sent electronically to: e-mail: bcsearch@auburn.edu or by mail to Dr. Laurent Ono, Chair, Department of Chemistry and Biochemistry, Auburn University, AL 36849-5312. Review of applications will begin November 28, 2011, and continue until the position is filled. Auburn University is an Affirmative Action/Equal Opportunity Employer.

We deliver customized job alerts. www.ScienceCareers.org
Faculty Searches
Department of Earth, Atmospheric and Planetary Sciences

Applications for all of the following positions are being accepted at Academic Jobs Online (https://academicjobsonline.org/ajo). Please do not ask your referees to upload letters at the time of application; letters will be requested directly by MIT. To receive consideration, a completed application must be received.

Faculty Positions – Climate-related Fields
The MIT Department of Earth, Atmospheric and Planetary Sciences announces a major expansion of its activities in climate science and seeks applicants for up to three faculty positions in climate-related fields. Preference will be given to junior appointments at the assistant professor level, but a senior appointment can be considered for an individual with exceptional qualifications. Areas of specific interest include observations, models and theory of the atmosphere, ocean and cryosphere, and climates, biogeochemical cycles, and ecology. Successful candidates must have a strong record of accomplishment in their discipline, a strong commitment to teaching and student advising, a keen interest in relating their work to complementary research in the Department and in the MIT/Woods Hole Joint Program in Oceanography. Joint appointments with other MIT departments are also potentially negotiable where appropriate.

A completed application will include a curriculum vitae, a statement of research and teaching objectives, and the names of three potential referees. More information about this position can be obtained by writing Professor Kerry A. Emanuel at emanuel@mit.edu.

Tenure-Track Junior Faculty Position – Exoplanets
We seek an outstanding scientist with interest in and potential for innovation and leadership in teaching and research. The search is in the broad area of exoplanets, including theory, observation, and instrumentation. However, we are especially interested in individuals whose research complements existing MIT expertise. The Department encourages strong interaction with research programs within the Earth, Atmospheric, and Planetary Sciences.

A completed application will include a curriculum vitae, a one-page description of research plans, and the names of three potential referees. The deadline for this opening will be December 31, 2011; all applications received by this date will receive full consideration. More information about this position can be obtained by writing Professor Sara Seager at seager@mit.edu.

Junior Faculty Position – Sedimentary Geology
We seek an individual with a field-based observational program, broad research interests, and a commitment to interdisciplinary studies. Applicants should submit a curriculum vitae, one-page descriptions of research and teaching plans, and the names, email addresses, and phone numbers of three professional referees. Review of applications will take place beginning October 1, 2011, but will not continue past March 1, 2012. Questions may be addressed to Prof. Leigh Royden, Search Committee Chair, at lhroyden@mit.edu.

Search contact for all of the above-listed positions: Mr. Michael Richard, HR Administrator, EAPS, Massachusetts Institute of Technology, 54-926, 77 Massachusetts Avenue, Cambridge, MA 02139-3707; mgr@mit.edu; 617-253-5184; 617-253-8298 (fax).

MIT is an Equal Opportunity/Affirmative Action employer. Applications from women and underrepresented minority candidates are encouraged.

http://web.mit.edu
FACULTY POSITION IN GENETICS
Department of Biological Sciences
The George Washington University

The Department of Biological Sciences at the George Washington University is accepting applications for a tenure-track faculty position at the rank of ASSISTANT PROFESSOR with expertise in the field of Genetics. We are seeking candidates who use genetic or genomic experimental methods to address fundamental questions about gene expression or developmental biology or who use genetic and/or evolutionary approaches to develop a basic understanding of regulation of complex traits from the genome to the phenotype level. Research activities should be conducted within the context of comparative and/or evolutionary biology and complement the research focus of the department. The successful candidate will be expected to establish and maintain an externally funded research program that involves undergraduate and graduate students. Teaching responsibilities will include an undergraduate introductory course in genetics that includes a lab. Basic Qualifications: a Ph.D. in an appropriate discipline, postdoctoral experience, ability to teach basic genetics, and accomplishment in biological research in genetics as demonstrated by publications in peer-reviewed journals. Application Procedure: to be considered please send electronically a letter of application, a complete curriculum vitae, brief descriptions of teaching and research plans, three publications, and the names and addresses of three people who will be willing to submit letters of recommendation. Applications should be sent to the search chair at e-mail: gwgeneticsresearch@gmail.com. Only complete applications will be considered. Review of applications will begin on November 18, 2011 and continue until the position is filled.

The George Washington University is an Equal Opportunity/ Affirmative Action Employer. The University Search Committee seeks to attract an active, culturally, and academically diverse faculty of the highest caliber.

FACULTY POSITION IN CELL BIOLOGY
Department of Biological Sciences
The George Washington University

The Department of Biological Sciences at the George Washington University is accepting applications for a tenure-track position at the rank of ASSISTANT PROFESSOR in Cell Biology. We seek broadly trained individuals working on problems of cell-cell interactions including, but not limited to, host-pathogen interactions, symbiosis, developmental processes, or neurobiology. Research activities should be conducted within the context of comparative and/or evolutionary biology and complement the research focus of the department. Preference will be given to candidates who integrate cellular analyses with modern computation to biological macromolecules and assemblates within and the ability to teach cell biology, and accomplishments in cell biology as demonstrated by publications in peer-reviewed journals. Application Procedure: to be considered please send electronically a letter of application, a complete curriculum vitae, brief descriptions of teaching and research plans, three publications, and the names and addresses of three people who will be willing to submit letters of recommendation. Applications should be sent to the search chair at e-mail: gwcellbiologysearch@gmail.com. Only complete applications can be evaluated. Assessment of applications will begin on November 18, 2011, and will continue until the position is filled.

The George Washington University is an Equal Opportunity/ Affirmative Action Employer. The University Search Committee seeks to attract an active, culturally, and academically diverse faculty of the highest caliber.

FACULTY POSITION IN ANIMAL BEHAVIOR
Department of Biological Sciences
The George Washington University

The Department of Biological Sciences at the George Washington University is accepting applications for a tenure-track faculty position at the rank of ASSISTANT PROFESSOR with expertise in the field of Animal Behavior, focusing on invertebrates. We are seeking candidates who use comparative and/or experimental approaches to investigate any aspect of invertebrate behavior, including but not limited to mating, foraging, feeding, communication, learning, aggression, and cooperation. Applicants who examine the evolutionary or ontogenetic basis of behavior are also encouraged to apply. Teaching responsibilities include an undergraduate course with laboratory in Animal Behavior and a second course in their area of expertise. The successful candidate is expected to establish and maintain a vigorous research program capable of attracting external funding that involves graduate and undergraduate students and will add to our growing departmental strength in environmental biology and ecology. Basic Qualifications: a Ph.D. in an appropriate discipline, postdoctoral experience, ability to teach animal behavior, and accomplishments in biological research in animal behavior demonstrated by publications in peer-reviewed journals. Application Procedure: to be considered please send electronically a complete curriculum vitae, brief descriptions of teaching and research plans, three publications, and the names and contact information for three references to the search chair, Dr. John Lill, at e-mail: gwbehaviorssearch@gmail.com.

Only complete applications will be considered. Review of applications will begin on November 18, 2011, and will continue until the position is filled.

The George Washington University is an Equal Opportunity/ Affirmative Action Employer. The University Search Committee seeks to attract an active, culturally, and academically diverse faculty of the highest caliber.

UNIVERSITY OF CALIFORNIA, IRVINE
FACULTY POSITION IN ATMOSPHERIC CHEMISTRY
Department of Chemistry

The Department of Chemistry invites applications for a tenure-track position as ASSISTANT PROFESSOR in the area of Atmospheric Chemistry. We are seeking an outstanding Ph.D. who will establish a vigorous research program in areas which will complement existing strong programs in atmospheric chemistry within the Department of Chemistry, and preferably also take advantage of a breadth of related programs and collaborations on campus (see website: http://airuci.uci.edu/). Typical (but not exclusive) areas include the development of new analytical methods, studies of the fundamental chemistry and photochemistry of organic or inorganic atmospheric systems, and molecular level studies of interactions of outdoor or indoor atmospheric species with biological or energy-related systems. The ability to effectively teach chemistry at the undergraduate and graduate levels is required. Applications must be submitted electronically via the Internet at website: https://recruit.uci.edu. Applicants should upload a cover letter, curriculum vitae (including publication list), a concise statement of research plans, and the names and contact information for at least three references. Applications and supporting materials should be received by November 30, 2011 for full consideration.

The University of California, Irvine is an Equal Opportunity/ Affirmative Action Employer committed to excellence through diversity and strongly encourages applications from all qualified applicants, including women and underrepresented minorities. UCI Irvine has an active ADVANCE Gender Equity Program.

The Thomas C. Jenkins Department of Biophysics seeks candidates for a tenure-track, ASSISTANT PROFESSOR position in the area of biophysical and computational biology. Areas of special interest include, but are not restricted to the application of theory and computation to biological macromolecules and assemblies, cell dynamics, cellular and physiological biology, or applications of statistical thermodynamics, polymer physics, and physical chemistry in biology, systems biology, and biological networks. Applicants should electronically send a single PDF file with a cover letter, curriculum vitae, and brief description of research plans to: biophysicssearch@juhu.edu. Three letters of recommendation should be sent to this e-mail address or to: Faculty Search Committee, T. C. Jenkins Department of Biophysics, Johns Hopkins University, 3400 N. Charles Street, Baltimore, M.D. 21218-2685; telephone: 410-516-7245. All materials should be received by November 30, 2011.

Johns Hopkins University is an Affirmative Action/Equal Opportunity Employer.

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