FACULTY POSITION IN BIOCHEMISTRY AND MOLECULAR BIOLOGY
University of Nebraska Medical Center

The Department of Biochemistry and Molecular Biology invites applications for a tenure-track position at the rank of ASSISTANT/ASSOCIATE/FULL PROFESSOR. Qualifications include a Ph.D. or M.D. degree and relevant experience. Preference will be given to outstanding candidates who can utilize state-of-the-art biochemical, molecular, and array approaches to epigenetic research aimed at a better understanding of cancer etiology/diagnosis. The ideal candidates will have research interests and experience that will supplement ongoing research in the Department (website: http://www.unmc.edu/Biochemistry/).

The successful applicants will be expected to have a well-funded, independent research program and to contribute significantly to the teaching programs of the Department. Submit your vitae, a description of research interests and teaching experience, and three letters of reference to: Chair, BMB Search Committee, Department of Biochemistry and Molecular Biology, 985870 Nebraska Medical Center, Omaha, NE 68198-5870. Also electronically send a PDF or Microsoft Word file of the above documents to e-mail: biochem.unmc.edu.

Equal Employment Opportunity/Affirmative Action. Individuals from diverse backgrounds are encouraged to apply.

TWO TENURE-TRACK POSITIONS in Neurobiology
McGill University

The Department of Biology at McGill University invites applications for two tenure-track positions in neurobiology. The new faculty members will complement a Department that has research strengths in neuroethology, cell biology, and developmental genetics of model organisms, and in ecology. They will have convenient access to state-of-the-art imaging facilities and other research opportunities of the McGill Life Sciences Research Complex. For details, please see website: http://biology.mcgill.ca/. The successful applicants will be expected to conduct vigorous programs of independent, competitive research in neurobiology and to contribute to teaching at both the undergraduate and graduate levels. One of the appointments will be in the area of neuroethology, and the other appointment will be in the area of developmental neuroscience. Candidates must hold a Ph.D. or equivalent degree and postdoctoral experience demonstrating excellence in their respective fields. We anticipate that these positions will be filled at the ASSISTANT PROFESSOR (tenure-track) level, but applications from more established candidates may be considered for recruitment at the ASSOCIATE or FULL PROFESSOR rank. Competitive startup and equipment funding packages will be available. Persons wishing to be considered for these positions should forward, electronically, curriculum vitae, a statement of research interests, and teaching interests, and PDF files of major publications to e-mail: neurosearch@mcgill.ca. In the subject line, please enter Neurobiology Search and your name. Acceptable file formats are Microsoft Word and PDF. Also arrange to have three letters of reference submitted directly by e-mail to the same address.

The application deadline is 2 November 2009 or until positions are filled.

McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons who identified as non-binary and transgender, and others who may contribute to further diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.
Celebrating a Shared Vision

Thank you for becoming a partner of King Abdullah University of Science and Technology and supporting our vision for a new model of academic research to benefit all humankind.

**Academic**
- Chalmers University of Technology
- Cornell University
- Georgia Institute of Technology
- ICE Consortium: IFP, CNRS and ENS Lyon
- Imperial College London
- King Abdullah City for Science and Technology
- King Fahd University of Petroleum and Minerals
- National Taiwan University
- National University of Singapore
- University of Rome — La Sapienza
- Stanford University
- Technische Universität München
- Texas A&M University
- The American University in Cairo
- The Hong Kong University of Science and Technology
- The Pennsylvania State University
- The University of Texas at Austin
- University of California, Berkeley
- University of California, San Diego
- University of Cambridge
- University of Oxford
- University of Tokyo
- University of Toronto
- Utrecht University
- Woods Hole Oceanographic Institution

**Industry**
- Saudi Aramco
- SABIC
- The Dow Chemical Company
- IBM
- Schlumberger
- Sumitomo Chemical
- The Boeing Company
- HALLIBURTON
- Abdul Latif Jameel Co. Ltd.
- Xenel Group
- LyondellBasell
- ACWA Power International
- GE
- JGC Corporation

*In the spirit of scientific discovery, please join us September 23rd at www.kaust.edu.sa to view the KAUST Inauguration Ceremony in Thuwal, Saudi Arabia.*

Follow us on:  facebook  twitter  flickr
The global financial crisis has beaten down science budgets everywhere. So it’s no surprise that science-spending forecasts for Europe are grim. The EU’s gross domestic product shrank by 2.5 percent this year. Consequently, politicians might cut science budgets to plug other shortfalls. In Italy, for example, Prime Minister Silvio Berlusconi’s center-right government already has cut university budgets by 10 percent and has allowed them to fill only one in five vacant academic positions. Amidst the gloom over potential cutbacks, however, there are a few bright spots. **By Gunjan Sinha**

On the European Union level, science budget cuts are unlike-ly. The framework through which the EU funds research—Framework Programme 7 (FP7)—is dedicated money. Member states are legally committed to the €51 billion budget through 2013. Perhaps more important, FP7 initiatives that aim to stimulate economies are finally getting off the ground.

This spring the European Commission (EC) announced the first 15 research projects that will receive funding as part of the Innovative Medicines Initiative (IMI)—a unique public-private partnership that brings together large biopharmaceutical companies, small- and medium-sized enterprises, patient organizations, academia, hospitals, and public authorities to work through bottlenecks in developing new drugs.

IMI is one of six Joint Technology Initiatives (JTIs). Through this scheme, industry must at least match money offered by the EC in six predefined areas. A JTI focuses on one specific industrial area, aims to develop new precompetitive technologies, addresses a market failure, and is funded by a combination of private and public investment.

The other JTIs are: Aeronautics and Air Transport (or Clean Sky); Embedded Computing Systems; Nanoelectronics Technologies 2020; Global Monitoring for Environment and Security; and Hydrogen and Fuel Cells.

“This might really be an important change in the way that the EU funds research projects,” says Peter Tindemans, a Euroscience spokesperson who runs a consulting company that issues advice on science policy. “JTIs are focusing on key areas that present problems for all EU countries, and they’ve created a new system whereby the players themselves are responsible for funding the science that needs to be done.”

So great is the enthusiasm over JTIs that some member states have launched similar initiatives. In 2007, Spain set up the National Strategic Consortiums for Technological Research (CENIT) program that makes €750 million available to companies that at least match government funding. The same year, Germany launched a Pharmaceuticals Initiative which aims to distribute €800 million in public funds over... **continued »**
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 transfer your research programme to a public-sector research institution in Luxembourg and thus to accelerate the development of and to strengthen Luxembourg’s research priorities. 3-5M€ are offered to Luxembourg’s public-sector research institutions through this programme to compete for the best candidates. The FNR foresees to grant 1 to 2 PEARL awards per year. The call is open all year.

**ATTRACTION**

**Luxembourg’s Research Programme for Outstanding Young Researchers from All Over the World**

If you are an outstanding young researcher, our research programme ATTRACTION helps you to set up an independent research team within a public-sector research institution in Luxembourg. The innovation, dynamism and creativity of your project as well as its high scientific quality should enhance Luxembourg’s position in the international world of R&D. Projects selected under ATTRACTION have a lifespan of five years and the financial contribution will be up to 1.5M€. The 4th ATTRACTION Call will be launched in November 2009.

More information about ATTRACTION 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
five years through measures that aim to boost pharmaceutical and biotechnological research and development in Germany.

Through such measures, nations hope not only to boost their economies in the short term, but also to foster relationships that will ensure companies continue to invest within their borders in the future.

New Medicines Needed
Fostering long-term relationships is part of IMI’s goal, too. Because rather than funding the development of new medicines, the IMI aims to pool scientific expertise to create better methods and tools that streamline the drug development process.

For example, among the first 15 projects selected for funding is one involving 12 academic institutions and 10 different companies that aims to find biological markers of chronic pain. Called EUROPAIN, the project will comprise six programs of research and has an estimated budget of at least €12.5 million through 2013. Two of the research programs will try to identify novel pain mediators and elucidate nervous system changes that contribute to pain. They will also refine ways to measure pain. Three programs will explore human pain mechanisms; one program will develop ways to integrate data from all five programs.

“The problem in pain management is that we are limited to very few classes of drugs,” says Märtta Sörgerdahl, medical science director at AstraZeneca—the company that is coordinating EUROPAIN. Pain medication is effective in less than one in every three patients, she adds, and while that ratio is good for many diseases, it isn’t adequate for pain management because people suffer. “There is a great need for new drugs,” she says.

And while many academic groups involved in the consortium have worked together and worked with industry before, this consortium offers the opportunity and the resources for academia and industry to work together to generate data more quickly. For example, industry and academia will jointly develop guidelines on how specific experiments should be done. These in turn can be used by all members in the consortium to conduct future research. “The more data you have, especially when it is generated by different groups, the more sure you can be of your results,” Sörgerdahl says. Each consortium member can then take any tools or technology developed by EUROPAIN and use it internally or with collaborators to develop proprietary drugs.

The US Comparison
IMI is similar to the US Food and Drug Administration’s (FDA) Critical Path Initiative launched in 2004. However, they rely on different paths to improve drug development. FDA initiated Critical Path, but the program has no established structure nor does it have significant funding. By contrast, IMI aims to have its own governing body and will administer its own calls for funding—plus its budget is upward of €2 billion over five years.

Companies point to positive experiences with the Critical Path Initiative as proof that such collaboration can produce results. Responding to Critical Path, Novartis spearheaded three cooperative research projects in 2004, one of which was a precursor to an IMI project for which the company has also been selected to receive EU grant money. In one of those earlier efforts, in collaboration with Merck, Novartis focused on drug-induced kidney toxicity. The goal was to identify and validate biomarkers that can flag early insult to the kidney—before the organ’s pathology has changed. Company scientists were also looking for markers that would specifically identify which part of the kidney was affected. Both companies had already identified nephrotoxicity biomarkers, but they needed to validate them. Ultimately both ran antibody-based assays on two different platforms to correlate and confirm each other’s results.

The results were later folded into the Critical Path Initiative’s Predictive Safety Testing Consortium, officially established in 2006, that enables member companies to share internally developed laboratory methods to predict the safety of new treatments before they are tested in humans. Critical Path scientists acted as neutral arbiters so that other consortium members, which included 16 companies in total, could cross-validate Novartis’s and Merck’s results.

“It sounds pretty simple, but it was extremely complicated,” says Jacky Vonderscher, former global head of biomarker development at Novartis. Vonderscher wasn’t just referring to the science. Sorting out intellectual property and data sharing issues ate up a lot of time. At one point there were 35 lawyers sitting around a table to negotiate the consortium contract, Vonderscher recalled—and this was regarding research that wasn’t yet competitive.

Organized to Avoid Bureaucracy
Indeed, such bureaucratic legal wrangling is one major gripe about JTIs. European scientists often complain about the amount of paperwork involved when working with EU grant money. But Sörgerdahl remains unconcerned. “Most of the major pharmaceutical companies are involved with EUROPAIN including GlaxoSmithKline, Pfizer, sanofi-aventis, and Eli Lilly and Company. These companies have in-house expertise that is accustomed to streamlining bureaucracy... continued »
Applications of NMR in solid materials

The Institute for Transuranium Elements in Karlsruhe (ITU) invites applications for a visiting scientist or a post-doctoral fellowship in the field of actinide chemistry and physics. The appointment is for up to 2 years, with the potential for a one more year extension in case of post-doctoral fellowship.

ITU is one of the seven Institutes of the Joint Research Centre, the service of the European Commission providing scientific and technical support for the conception, development, implementation, and monitoring of the European Union policies. ITU is a reference centre for basic actinide research, with a broad range of analytical capabilities for the study of nuclear materials. Major duties and responsibilities of the successful candidate will include the development of NMR spectroscopy techniques for the study of actinide compounds in the solid state, whereby structure and magnetic property determination through magic angle spinning and cryogenic methods will be deployed. The area of investigation will cover basic science applications as well as applied domains (e.g. fuels and waste forms).

The successful candidate must have a Ph.D. in Chemistry or Physics, a strong knowledge of and experience in NMR techniques, with applications in the solid state.

Application instructions and further open calls for research fellowships are provided at http://itu.jrc.ec.europa.eu/index.php?id=96

Institute of Science and Technology Austria (IST Austria)

Take part in the development of a new research institute!

IST Austria is an emerging post-graduate research institute, which is located in Klosterneuburg (19 km from Vienna city center). It will perform basic research at a world-leading standard and shall open up and develop new areas of research.

We are expanding and therefore we are looking for a

Head of the Bioimaging and Optics Core Facility (f/m)

to support our scientists.

Your responsibilities:

- Support the top management of IST Austria during the procurement process (state-of-the-art optical microscopes and image analysis tools)
- Management of the facility (personnel, equipment, organization, maintenance)
- Providing training and advice to users
- Evaluation of new technologies of potential interest for the facility
- Evaluation of potential novel imaging technologies in collaboration with research groups
- Organization of practicals for graduate courses

Our requirements:

- PhD in natural/life sciences or engineering related to optical imaging
- Excellent knowledge and experience in optical microscopy and image analysis
- Excellent managerial and administrative skills
- Good communication skills in English

We offer:

- A multifaceted position in a challenging international environment
- Competitive salary including generous social benefits and opportunities for further education and training

If you want to be part of a unique project in a dynamic stage of development, we are looking forward to meeting you.

Please e-mail your detailed application including letter of interest, CV and the names of 3 reference persons. Please send all documents in a single pdf file in English by 15th October 2009 to:

Attn: Mag. Bettina Karnolz
Human Resources/Legal Advice
bettina.karnolz@ist.ac.at

For more information about IST Austria visit:
www.ist.ac.at
and organizing research,” she says. “We all want to work efficiently,” Sörgerdahl continues. “I’m confident this is going to work.”

Certainly the projects funded by IMI won’t be alone in this regard. But this is precisely why each JTI will have its own governing body, independent of the EC, say organizers. “My intent is to make it reactive, flexible, and involved,” says Eric Dautriat, executive director of the Clean Sky Initiative. Dautriat is in the process of recruiting about 20 people who will comprise the Clean Sky Joint Undertaking—an entity that will manage the program. “There is no reason why we should be smothered by bureaucracy,” he adds.

Clean Sky’s mission is to develop environmentally friendly aircraft. Without a financial boost from the EU, green aircraft technologies would not develop quickly, says Dautriat, because there isn’t enough market pressure right now. But Clean Sky gives companies a structure through which they can collaborate to develop mutually beneficial technologies.

So, for example, one project seeks to develop an open rotor—a propeller design that can potentially burn up to 30 percent less fuel compared to current engines as well as reduce emissions and noise. Different companies are taking their own tack to achieve the same goal. Chichester, England–based Rolls Royce, and Snecma of Courcouronnes, France, are focusing on direct-drive turbofans with slightly different designs; in parallel Munich-based MTU Aero Engines in collaboration with Pratt & Whitney is preparing a demonstration of a geared turbofan. Each of these different solutions will be evaluated and compared with one another. All European companies involved in civil aviation are participating in Clean Sky and there are a total of 86 members, in addition to which hundreds of partners will be added through calls for research proposals.

“Clean Sky embraces all sectors of commercial aviation and combines the strengths of all stakeholders,” says Dautriat. “This is already a significant achievement.”

Spain On Board

JTIs have the potential to garner so much private investment that EU member countries have adopted similar programs to boost each nation’s research productivity. For example, in 2007, Spain launched Ingenio 2010—a series of measures aimed to boost the nation’s research and development spending from a low of 1.13 percent of gross domestic product to be more on par with the EU average of 1.77 percent.

One arm of the program, CENIT, offers grant money to research consortia that in turn at least match the amount of government money. It makes €750 million in public money available over four years to research consortia that aim to pursue projects in predefined areas including biomedical sciences, information technology, and renewable energies.

Similar to IMI, one project aims to design new methods to better predict toxicity of new molecular entities to speed up preclinical research. “The organizers noticed that they had the potential to tap our expertise on hepatic cells,” explains Joan Guinovart, head of the project at Barcelona’s Institute for Research in Biomedicine (IRB). The IRB is one of nine academic institutions collaborating on the project together with eight companies. Called MELIUS, the project was spearheaded by Madrid-based Noscira and is operating with a total budget of €20.5 million over five years.

The benefits of such collaboration flow both ways. “We have explored avenues that we otherwise would not have explored,” says Guinovart. Working with molecules that inhibit specific pathways, for example, has revealed that they don’t always exert an effect in predictable ways, he explains. “We have learned to be more cautious and keep an open mind.” Moreover, the MELIUS project has fostered a relationship between Guinovart’s research group and the companies involved; they are presently discussing collaborating on projects outside of MELIUS.

Germany Boosts Pharma R&D

It was with these same goals in mind that Germany launched the Pharmaceuticals Initiative in 2007. Unlike Spain, where pharmaceutical and biotechnology investment represent a small slice of the economy, Germany is home to the largest number of biotechnology companies in the EU. continued »
Professor, Senior Lecturer/Associate Professor and Postdoc positions
in Medical research at Linköping University, Sweden

Linköping University is one of Sweden's six large universities, currently with 26,000 students. The Faculty of Health Sciences at Linköping University runs the most highly rated M.D. program in Sweden, typically graduating 140 M.Ds annually, as well as a number of other strong educational programs aimed at the public health sector. The faculty also has strong research within several different areas of modern medical sciences, typically graduating 50 Ph.Ds annually.

The Faculty of Health Sciences now aims to expand its research activities, and is seeking 4 new senior group leaders, as well as a number of Postdocs:

1. Chair/Professor in Renal Medicine
   (Registration number LIU-2009-01170)
2. Senior Lecturer/Associate Professor in Biomedical research
   (Registration number LIU-2009-00876)
3. Senior Lecturer/Associate Professor in Regenerative medicine
   (Registration number LIU-2009-00941)
4. Senior Lecturer/Associate Professor in Renal medicine
   (Registration number LIU-2009-01097)
5. Postdocs within Medical and Biomedical research
   (Registration number LIU-2009-00908)

The tenured Professor and Senior Lecturer/Associate Professor positions will be focused on research, and will be supported by generous start-up funding from the university.

Apply before 19th October.
More information: www.hu.liu.se

Linköping University
expanding reality

Master in Biotechnology Management

Recent advances in life sciences have brought about a revolution in the biotechnology industry. To face these new challenges and meet the resulting business opportunities, IE Business School offers an innovative and challenging Master’s program in Biotechnology Management, which combines general business knowledge with specialized industry know-how.

The program is aimed at professionals from either a scientific or management background looking to jump-start or further their careers within the biotech industry. Our program methodology reflects today’s international business environment, where cross-cultural teams work on global projects regardless of their geographic location. You will not have to leave your residence or work place for extended periods of time to pursue a truly rewarding learning experience.

IE Business School 4th in Europe (Financial Times European Business Schools ranking December 08).

For more information about this program, please visit: www.ie.edu/biotech
Admissions contact: biotech@ie.edu

IE Business School, Madrid, Spain • Tel. + 34 91 568 96 10
www.ie.edu/business
Yet hardly any therapeutics developed by biotech companies originate from Germany today, says Benedikt Wolbeck, a spokesperson for the German Federal Ministry of Education and Research (BMBF). The record for German pharmaceutical companies is almost as grim. Even though Germany is home to several such companies, a survey by the European Commission revealed that German pharmaceutical companies had developed only six of the 140 active substances licensed in 2005 in the EU. While German companies may carry out early research, most market innovations are generated in the USA, the UK, and Switzerland, Wolbeck adds.

To promote technology transfer at home, the Pharmaceuticals Initiative is dedicating over €800 million through 2011 to promote pharmaceutical and biotechnology research. Although the funds will finance both basic and application-oriented measures, the way in which the funds will be doled out is part of a new strategy to focus on strengthening the pipeline from research to market. And unlike JTIs or Spain’s CENIT, matching funds from industry aren’t a requirement. Rather, the BMBF has created other structures through which industry can contribute, such as investment funds.

One measure, called the BioPharma Competition, selected three projects out of 37 to receive a total of €100 million over five years, beginning this year. One winner is the Max Planck Drug Discovery & Development Center in Dortmund. The center will pool the most promising research on new compounds from all 12 Max Planck Institutes and come up with a strategy to further develop them. This includes technology licensing deals and handling decisions to conduct further research by taking compounds through phase IIa clinical trials to make them more attractive to industry. To finance the BioPharma projects, BMBF has created a fund that will be managed by London-based Inventive Capital Advisor, LLP. Companies will have the opportunity to invest in research by contributing to the fund or by contributing money to specific projects.

Another winner, the Neuroallianz consortium, consists of 12 partners that aim to bring research on new treatments and diagnostic tests for neurodegenerative diseases to the market. The third winner will focus on multiple sclerosis, specifically on moving basic research on therapies and diagnostic tools to market.

The BioPharma Competition is just one part of a package of measures. The remaining €700 million will be spent on various other measures to support clinical research, molecular diagnostics, and research on technology that can speed up drug development.

Through such initiatives, “we are unlikely to become the world’s pharmacist in the long term,” said BMBF State Secretary Frieder Meyer-Krahmer during the BioPharma award ceremony in Berlin, “but we should at least be one of the world’s pharmacists.”

Other Benefits
Certainly the idea to offer incentives to the private sector to invest within a nation’s borders is a time-tested method to create jobs and grow economies. But such incentives often take the form of tax-breaks, reimbursement of capital expenditure, or other types of financial benefits. Offering public money to the private sector in ways that encourage development in specific areas represents a paradigm shift: profit and job growth are no longer the only end-points.

“As a publicly funded scientist I have a moral obligation to contribute to the industry of the country,” says Guinovart, who spends most of his time involved in basic research. But collaboration with industry gives him the opportunity to generate more concrete results. “I feel like I am returning something to society,” he says.

Moreover, the results of such focused research can potentially benefit everyone. “Each JTI is very specific,” comments Catharine Ray, spokesperson for science and research at the European Commission. “Each of them has an application in a strategic field and should allow a quicker commercialization of truly break-through technologies.”

At the EU level, public-private research collaborations are also supported by the Cooperation program, part of FP7. But many European scientists complain that project grants are often barely enough to cover costs. By contrast, JTIs leave open the possibility of higher investments from industry with fewer restrictions on how the funds should be spent. Industry partners in the EUROPAIN project, for example, are contributing €7.5 million to the budget as compared to the EC’s €5 million, and are prepared to invest even more, says Sörgerdahl.

More important, adds Tindemans, JTIs should perhaps serve as a model for how to conduct public-private research collaborations in the future. “The EC should really move away from funding all of these small projects [supported under Cooperation],” says Tindemans. JTIs enable very large projects with all the major players involved. “This should be a focus of even more EU funding.”

Gunjan Sinha is a freelance writer living in Berlin, Germany.

DOI: 10.1126/science.opms.0900078
FOCUS ON EUROPE

TWO FACULTY POSITIONS
Biological Sciences

The Department of Biological Sciences at the University of Pittsburgh invites applications for two full-time tenure-track faculty appointments (Ecology and Evolution; Biological/Biomedical Sciences), pending budgetary approval. Appointments are anticipated to begin in September 2010 and will continue to advance our goal of establishing a broad-based interactive community of scientists working in modern biology. We encourage candidates working in any area of biological sciences to apply; we especially encourage applications from those working in the following areas:

I. Ecology and Evolution
   - Community, Ecosystem or Global Change ecology
   - Theoretical ecology or evolution
   - Genomic, Phylogenetic, Molecular or Developmental evolution
   - Animal, Plant or Microbial systems

II. Biological or Biomedical Sciences
   - Microbiology, including host-pathogen interactions
   - Systems biology
   - Cell and Developmental Biology, including neurobiology and physiology
   - RNA biology
   - Macromolecular Structure/Function

We anticipate making both appointments at the ASSISTANT PROFESSOR level. The successful candidates must have a Ph.D. and extensive postdoctoral experience and will be expected to establish extramurally funded research programs, train graduate students, and actively participate in undergraduate education and research.

To ensure full consideration, applications should be received by November 1, 2009. Applicants should email a single PDF document identifying the search they would like to be considered for in the subject line and containing a curriculum vitae, a statement of research accomplishments and goals, and a brief description of teaching interests to biojobs@pitt.edu. In addition, applicants should arrange to have at least three letters of reference sent to:

Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260
(412) 624-4266

Further information on the Department of Biological Sciences is available at: http://www.pitt.edu/~biology

The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

FOCUS ON EUROPE

Professor of Nanoscale Multifunctional Ferroic Materials and Devices

The Department of Materials Science of ETH Zurich (www.matl.ethz.ch) invites applications for a professorship of Nanoscale Multifunctional Ferroic Materials and Devices. Activities from basic research to devices including potential new applications are anticipated. It is expected that close, collaborative relationships with other department members, both theoretical and experimental, in all materials classes will be established. The professor will be expected to teach students in Materials Science at all levels, as well as holding special courses for other disciplines (i.e. physics, electrical engineering, chemistry). He or she will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

The successful candidate with strong physical and chemical background has several years of experience in the fields of structure-processing relations of ferroic materials, ferromagnetic properties or with transport phenomena in highly correlated systems, non-trivial size effects in complex inorganic materials and heterostructures.

Please submit your application together with a curriculum vitae and a list of publications to the President of ETH Zurich, Prof. Dr. Ralph Eichler, Raemistrasse 101, 8092 Zurich, Switzerland, no later than November 30, 2009. With a view towards increasing the proportion of female professors, ETH Zurich specifically encourages female candidates to apply.

IN 2010
CNRS IS RECRUITING
TENURED RESEARCHERS IN ALL FIELDS OF SCIENCE

- MATHEMATICS • PHYSICS
- NUCLEAR AND HIGH-ENERGY PHYSICS
- CHEMISTRY
- SCIENCE AND TECHNOLOGY OF INFORMATION AND ENGINEERING
- UNIVERSE AND EARTH SCIENCE
- ENVIRONMENT AND SUSTAINABLE DEVELOPMENT
- LIFE SCIENCES • HUMANITIES AND SOCIAL SCIENCES

CNRS encourages junior and senior scientists from around the world to apply for its tenured researcher positions.

CNRS provides an enriching scientific environment:
- numerous large-scale facilities
- highly skilled technical support
- multiple international and interdisciplinary networks
- access to university research and teaching
- lab-to-lab and international mobility

Application forms and further information will be available online at www.cnrs.fr in December 2009

Postdoc in Lymphatic Endothelial Biology in Switzerland

The Laboratory of Lymphatic Bioengineering, an interdisciplinary and dynamic lab that is part of the Bioengineering Institute within the School of Life Sciences at the EPFL, is seeking applications for a postdoctoral fellow to study the role of lymphatic vessels in lipid metabolism. The ideal applicant will have a PhD in vascular biology or bioengineering or a related field, and experience with animals and in vivo imaging or microscopy; he/she should be highly motivated, independent, and have excellent writing skills. Interested candidates should send a CV with three references to Melody Swartz at melody.swartz@epfl.ch.

For more information on the lab or the EPFL please visit our websites:
Swartz lab: http://lmbm.epfl.ch
Bioengineering: http://libi.epfl.ch
Life Sciences: http://sv.epfl.ch

http://www.cnrs.fr
Call for Applications and Nominations
For the
POSITION OF DEAN
School of Solar and Advanced Renewable Energy
(SSARE)

The University of Toledo (UT) invites nominations and applications for the position, Dean of the School of Solar and Advanced Renewable Energy (SSARE) at UT. This position is a full time appointment available immediately; however, timing can be adjusted to the needs of the successful candidate.

The University of Toledo was established in 1872. Today it is the third largest of 13 public universities in Ohio. It is a diverse, student centered, metropolitan research university distinguished by its exceptional strength in science and technology and its effective, transformational leadership. It is widely respected and highly acclaimed for its world class initiatives in teaching, research, incubation, and commercialization in the fields of Solar and Advanced Renewable Energy. A particular point of pride at UT is its distinguished cadre of teaching and research faculty and its state and federally funded research in second and third generation photovoltaic (PV) materials. Biofuels, energy storage, and wind technologies research are also priority programs.

The University of Toledo’s commitment to building on its strength in energy is evidenced by the recent establishment of the School of Solar and Advanced Renewable Energy (SSARE) at UT by the President and the Board of Trustees. This School is a model for UT’s strong intercollegiate relationships and has the full endorsement and support of the Deans of the Colleges of Arts and Sciences, Engineering, Business, and Graduate Studies.

The successful candidate for Dean of the School of Solar and Advanced renewable Energy (SSARE) must be a respected, recognized leader with a demonstrated record of administrative achievement in academia, business, and/or public service. He/she will be recognized for scholarship; have a commitment to institutional excellence, a passion for transformative change and for innovation, and the credentials and interpersonal skills to recruit and retain the best and the brightest faculty, researchers, and students to the SSARE at the University of Toledo.

This position offers a unique opportunity to implement and grow a results oriented entity in a field of acknowledged regional, national, and global need. Graduate and undergraduate degrees will be offered initially through the partnering Colleges but are planned to quickly become part of SSARE’s portfolio. Research will be a hallmark of SSARE, funded by existing and new grants and awards, and provide a continuum for the notable UT successes to date in solar and advanced renewable energy (SARE). Outcomes will include spin off incubator initiatives leading to full commercialization and significant economic development consistent with the UT goal of “transforming northwest Ohio into a place of innovations.”

UT’s commitment to the planned early success of SSARE is further evidenced by the current installation of a 10-kilowatt thin film solar array on the grounds and on the rooftops of the UT Scott Park Campus of Energy and Innovation, in tandem with wind and other advanced renewable energy technologies.

Salary will be negotiable commensurate with experience. UT also offers a generous benefits package. Letters of nomination and applications from qualified, interested candidates (a letter, complete CV and contact information for at least three professional references) should be submitted electronically to:

Dr. John Gaboury
Vice Provost and Chair,
SSARE Dean Search Committee
University of Toledo
c/o john.gaboury@utoledo.edu
419-530-2738

Consideration of applications will begin after October 23, 2009, and will continue until the position is filled.

The University of Toledo is an Equal Access, Equal Opportunity, Affirmative Action Employer and Educator.

Tenure Track Faculty Positions in Stem Cell Biology

Sloan-Kettering Institute, Memorial Sloan-Kettering Cancer Center invites applications for junior tenure-track faculty positions in the Program in Developmental Biology. Individuals studying embryonic stem cells, adult stem cells, iP cells or regulation of pluripotency in any animal will be considered for the position. SKI is located in a rich environment for stem cell studies (http://www.triscistemcell.org/about_us.html) and New York State is committed to the support of stem cell research (http://stemcell.ny.gov/). The Developmental Biology Program offers a highly interactive and exciting research environment, with expertise in stem cell biology as well as mouse, Drosophila, and C. elegans development. Sloan-Kettering Institute offers outstanding infrastructure and resources to support research (http://www.ski.edu).

New faculty will be eligible to hold graduate school appointments in the Gerstner Sloan-Kettering Graduate School of Biomedical Sciences, the Weill Graduate School of Medical Sciences of Cornell University, as well as the Tri-Institutional MD/PhD Training Program.

Candidates should e-mail their application in PDF format to devbio@mskcc.org by November 1, 2009. The application should include a Curriculum Vitae, a description of past research, a description of proposed research, and copies of three representative publications. Candidates should arrange to have three letters of reference on letterhead sent in PDF format by e-mail to devbio@mskcc.org. The letters should arrive by November 1, 2009. Inquiries may be sent to Ms. Lemon or to Dr. Kathryn Anderson, Chair, Developmental Biology Program, Sloan-Kettering Institute, devbio@mskcc.org. Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer/A Affirmative Action.

Facility Position
Structural Biology Program
Sloan-Kettering Institute

The Structural Biology Program of the Sloan-Kettering Institute (www.ski.edu) invites applications for a tenure-track faculty position at the Assistant Member level (equivalent to Assistant Professor). We are interested in outstanding individuals who have demonstrated records of significant accomplishment. Areas of interest include x-ray crystallography, NMR spectroscopy, EM and optical imaging, as well as the interface of structural, chemical and computational biology. Faculty will be eligible to hold graduate school appointments in the Gerstner Sloan-Kettering Graduate School of Biomedical Sciences, the Weill Cornell Graduate School of Medical Sciences, as well as the Tri-Institutional MD/PhD Training Program.

Candidates should e-mail their application in PDF format to strucbio@mskcc.org by December 1, 2009. The application should include a CV, description of past and proposed research (3-7 pp), and copies of three representative publications. Candidates should arrange to have three signed letters of reference in PDF format sent by e-mail to strucbio@mskcc.org. The letters should be addressed to Dr. Nikola Pavletich, c/o Julie Kwan, Box 135, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, New York 10065. Inquiries may be sent to Ms. Kwan or to Dr. Nikola Pavletich, Chair, Structural Biology Program at strucbio@mskcc.org. Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer/Affirmative Action.
NIH Intramural Research Program is Recruiting
“Earl Stadtman Investigators”

The National Institutes of Health, the nation’s premier agency for biomedical and behavioral research, is pleased to announce the launch of its search for top-tier tenure-track candidates to become “NIH Earl Stadtman Investigators.”

Earl Stadtman was an outstanding NIH scientist who mentored many current leaders in the biomedical community. In his honor, the NIH is recruiting basic, clinical and population-based investigators who seek the flexibility of scientific exploration in an intellectual and supportive environment. NIH investigators have the ability to focus on research that is high risk; they can quickly redeploy resources to explore new directions, collaborate freely on multidisciplinary teams, and contribute to the NIH mission of improving human health. The receipt of prestigious awards and honors—Nobel prizes, Lasker awards, elections to the NAS and IOM, among others—demonstrates the scientific rigor of our NIH intramural investigators.

We offer competitive startup packages and a collaborative, academic environment with more than 1,100 principal investigators engaged in cutting-edge basic, translational, clinical and population-based research. Our scientists focus entirely on their research with ample opportunities to mentor and train outstanding fellows at all levels. One special feature of our research program is the NIH Clinical Center, the world’s largest hospital entirely devoted to biomedical research.

Qualifications/Eligibility: Candidates must have an M.D., Ph.D., D.D.S./D.M.D., D.V.M, D.O. or equivalent doctoral degree and have an outstanding record of research accomplishments as evidenced by publications in major peer-reviewed journals. Preference will be given to applicants who are in the early stages of their research careers. Candidates in any area of biomedical, clinical and behavioral research are invited to apply. Appointees may be U.S. citizens, resident aliens or non-resident aliens with, or eligible to obtain, a valid employment-authorized visa.

Salary: Successful candidates are offered competitive salaries commensurate with experience and qualifications, and they are assigned ample research space, supported positions and an operating budget.

To Apply: Complete applications should be received by November 1, 2009; however, applications will be accepted until available positions are filled. Interested applicants should submit a curriculum vitae, a three-page description of proposed research, and three letters of recommendation through our online application system, at http://tenuretrack.nih.gov. No paper applications will be accepted.

For information on the NIH Intramural Research Program, refer to http://intramural.nih.gov/search and http://www1.od.nih.gov/oir/sourcebook/sci-prgms/sci-prgms-toc.htm. Specific questions regarding this recruitment effort may be directed to Dr. Roland Owens, Assistant Director, NIH Office of Intramural Research at owensrol@mail.nih.gov.

We seek original and interactive thinkers to be part of the next generation of research leaders. Become part of a team that continues to make history.

DHHS and NIH are Equal Opportunity Employers.
STAFF SCIENTIST

The National Center for Biotechnology Information (NCBI) at the National Institutes of Health (NIH) performs research in computational biology and creates and maintains information systems and computational tools for the biological research community. The Computational Biology Branch is seeking a Staff Scientist to lead the development of computational approaches for the analysis of high-throughput sequencing, genotyping, and clinical data.

The NCBI is looking for an outstanding candidate to work on the multi-source data being produced by the National Heart, Lung, and Blood Institute’s (NHLBI) Systems Approach to Biomarker Research in Cardiovascular Disease (SABRe CVD) Initiative in Framingham Heart Study (FHS). This is a collaborative initiative between NCBI and the NHLBI to establish a joint program with genetic, genomic, proteomic, metabolomic, clinical, and computational components to characterize molecular signatures of CVD and its risk factors. The FHS resource includes thousands of genotyped individuals who have been studied for up to 60 years, and we are currently accumulating unprecedented amounts of data.

We are looking for a track record of outstanding research in population genomics, high-throughput sequencing, comparative genomics, and/or computational biology. Candidates may be U.S. or non-U.S. citizens and must have a Ph.D., strong publication record, and postdoctoral experience. The successful candidate will have excellent communicating skills and proven ability to successfully engage into a multi-disciplinary collaborative research. Successful candidates will serve on a non-competitive appointment in the excepted service. Salary and benefits are competitive, commensurate with education and experience. Interested individuals should send a copy of their CV, letter detailing research interests, and names of three references to Ivan Ovcharenko at ovcharenko@ncbi.nlm.nih.gov.

POSTDOCTORAL POSITIONS

Department of Health and Human Services
National Institutes of Health

National Institute of Dental and Craniofacial Research
National Institute of Diabetes and Digestive and Kidney Diseases

Postdoctoral positions are available in two collaborating laboratories investigating the developmental and/or cellular consequences of post-translational modifications of proteins. Recent studies suggest that certain protein modifications, such as glycosylation, are required for normal development and play roles in modulating cell signaling and integrin-mediated cell interactions. Future work will focus on a systems approach, using genetic, biochemical, cell biological and proteomic techniques, to determine how glycosylation regulates cell interactions during development. Candidates must have a Ph.D. or equivalent degree, a background in molecular biology/biochemistry and less than three years postdoctoral experience. Please send curriculum vitae, statement of interest, and contact information for three references to: Dr. Kelly Ten Hagen (Kelly.TenHagen@nih.gov) and Dr. Lawrence Tabak (Lawrence.Tabak@nih.gov).

Tenure-track Investigator Positions in Human Genetics and Developmental Neurobiology

Neurobiology-Neurodegeneration & Repair Laboratory

The Neurobiology-Neurodegeneration & Repair Laboratory (N-NRL) aims to facilitate translational research for treatment of retinal diseases by delineating fundamental mechanisms in development, aging and disease pathogenesis. The Laboratory of Cellular and Molecular Biology (LCMB), is seeking a Staff Scientist to lead a group investigating the transcriptional control of the chemokine RANTES.

We are seeking outstanding scientists who can establish innovative research programs in human genetics or developmental neurobiology with a focus on retinal biology and/or disease. Scientists with excellent training in diverse disciplines of biology and medicine are especially encouraged to apply. Applications will be considered as they are received. The search will continue until suitable candidates are recruited. Interested individuals should send by email: a cover letter, curriculum vitae, a brief summary of research accomplishments and future goals, three significant publications, and letters from three references to NEITTSC@nei.nih.gov.

The Laboratory of Cellular and Molecular Biology (LCMB), is seeking a Staff Scientist to lead a group investigating the transcriptional control of the chemokine RANTES.

The successful candidate must have an excellent understanding of transcriptional regulation and expertise with a variety of molecular techniques including microarrays, ChIP and ChIP/seq, siRNA knockdown, gene expression, and assay development for chemical library screening. Candidates must have a Ph.D. and/or M.D. degree with a minimum of four years of postdoctoral experience and a strong publication record in molecular biology. NCI offers competitive salary commensurate with research experience and accomplishments. Interested applicants should submit a cover letter, curriculum vitae, a brief statement of research experience and interests, and request three letters of reference to be sent to: Alan M. Krenskey, M.D., Senior Investigator, Center for Cancer Research, NCI, LCMB, Building 37, Room 2016, 37 Convent Drive, Bethesda, MD 20892, krenskeya@mail.nih.gov.

Salary is competitive, commensurate with research experience and accomplishments. A full Federal package of benefits is available (including retirement, health, life and long term care insurance, etc.). Applications will be considered as they are received. The search will continue until suitable candidates are recruited. Interested individuals should send by email: a cover letter, curriculum vitae, a brief summary of research accomplishments and future goals, three significant publications, and letters from three references to: NEITTSC@nei.nih.gov.

Fax: 301-480-1769

The NIH is dedicated to building a diverse community in its training and employment programs.
National Institutes of Health (NIH), National Eye Institute (NEI)
Chief, Laboratory of Computational Medicine

The NEI seeks to develop a new program in computational analysis that fully employs human genomic, transcriptomic, proteomic, metabolomic, neurophysiological and clinical data sets to reconstruct biological networks characteristic of normal and disease states. The magnitude, diversity, rich information content, and hierarchical connectivity of these data sets require the utilization and development of novel quantitative tools. The goal is to understand human disease at a molecular level in order to develop mechanism-based therapeutic interventions.

We invite applications for a head of a new laboratory of Computational Medicine within the NEI Intramural Research Program. This initiative seeks to integrate and translate knowledge from genetics and biology to a wide range of disease processes using systems, network, statistical and bioinformatics approaches.

- Examples in ocular biology amenable to a systems approach would include neuro-immune interactions, gene regulatory networks during disease pathogenesis, protein interaction pathways, neuron-glial-vascular biological networks in the retina, neuronal networks in the CNS, and developmental conditions and disorders.
- The research program has interest in developing novel computational methodologies for analyzing large genetic, biological, biomedical, neuronal, and functional data sets. Particular attention will be paid to genotype-phenotype correlations, gene-gene and gene-environment interactions. In parallel, we will actively seek to develop disease intermediate phenotypes that reflect the underlying biology and pathophysiology of disease.
- Data sets from large clinical trials, genetic studies (including GWAS), expression profiling in normal and disease conditions, and from the eyeGENE human research repository for monogenic ophthalmic diseases will be developed to reconstruct and understand ocular biological networks that link genetic perturbations, small molecule interactions, and physiological processes, to predict normal and disease states

The NEI/NIH provides an exceptional environment of dedicated scientists as well as a wide range of resources. We currently envision that this program will be located in the newly constructed Porter Neuroscience complex that houses a diverse set of investigators from many different Institutes. The successful candidate will be expected to recruit tenure-track faculty in areas that may include computational medicine or neuroscience, network biology, genetic or molecular epidemiology, cell and molecular biology, statistical genetics, bioinformatics, and biostatistics into the new Laboratory of Computational Medicine. Applicants should have a MD, MD/PhD or PhD and an outstanding record of accomplishments in genetics, epidemiology, neuroscience, cell and molecular biology, biostatistics, or a related quantitative discipline. Senior scientists would have the opportunity to maintain their participation in existing collaborative research in non-eye diseases if desired.

This position will remain open until filled. Applicants should submit curriculum vitae, bibliography, copies of their five most significant publications, a summary of research accomplishments, names of three references, and a detailed experimental plan for the development of this program. These materials should be sent to: The Office of the Scientific Director, National Eye Institute, Attention: Ms. Mica Gordon (gordonmi@nei.nih.gov), NIH Building 31, 31 Center Drive, Room 6A22, Bethesda, MD, 20892.
The Office of the Director (OD) of the National Institutes of Health (NIH) in Bethesda, Maryland, invites applications for the position of Associate Director for Legislative Policy and Analysis. This is a career Federal position in the Senior Executive Service. The Associate Director for Legislative Policy and Analysis provides executive leadership and direction for NIH legislative policy, analysis, development, strategy, and liaison relevant to NIH programs and activities. As the senior legislative official for NIH, the incumbent analyzes the overall legislative needs of the NIH, directs the development of legislative proposals and testimony, and provides liaison with congressional committees. Other responsibilities include: advising the Director, NIH, and senior staff on political issues and on pending legislative and oversight activities; representing the agency on legislative matters, as appropriate; and managing legislative policy and liaison activities with the Congress, the Department, and other agencies regarding pending legislation that may affect NIH and the national medical and health related research community. This position is also responsible for implementation of law, including appropriations. The incumbent manages the Office of Legislative Policy and Analysis and reports to the Director, NIH.

A full package of Civil Service benefits is available including retirement, health and life insurance, long-term care insurance, leave, and a 401k equivalent savings plan. A detailed vacancy announcement, along with mandatory qualifications and application procedures, can be obtained via the NIH Home Page at: http://www.jobs.nih.gov under the Executive Jobs section (Announcement Number: OD-09-05SES) or by contacting Lynnita Jacobs at seniorre@od.nih.gov or calling 301-402-4077. Applications must be received electronically by 11:59 p.m. on Monday, September 21, 2009.
Clinical Tenure Track Position

The National Institute of Allergy & Infectious Diseases (NIAID), Division of Intramural Research (DIR), is seeking an outstanding tenure-track investigator to develop a clinical research program to better understand, treat, and ultimately prevent infectious, immunologic, and/or allergic diseases. The successful candidate will implement and direct an independent clinical research program with an emphasis on clinical studies but which may include translational and basic research. The incumbent can choose the laboratory with which he or she would prefer to be affiliated. Any clinical protocols developed should complement the research goals of the selected laboratory. In addition, the incumbent will be paired with a senior investigator, who will serve as a clinical mentor.

An outstanding postdoctoral record of research accomplishment and an M.D., M.D./Ph.D., or equivalent degree is required for this position; board eligibility/board certification is also required. The incumbent will be expected to meet the requirements for authorization of patient care privileges by the Credentialing Services of the NIH Clinical Center.

Candidates will be assigned independent resources to include clinical and/or laboratory support personnel, equipment, space, and an allocated annual budget for services, supplies, and salaries sufficient to foster success. This is a tenure-track appointment under Title 42. Salary is dependent on experience and qualifications.

Interested candidates may contact Dr. Karyl Barron, DIR deputy director at 301-496-3006 or kbarron@nih.gov for additional information about the position.

To apply for the position e-mail your curriculum vitae, bibliography, and an outline of your proposed research program (no more than two pages), by November 3, 2009 to Ms. Yusheka Hill at NIAID.DIR.Search@niaid.nih.gov. In addition, send three letters of recommendation to Chair, NIAID DIR Clinical Tenure Track Search Committee, c/o Ms. Yusheka Hill at NIAID.DIR.Search@niaid.nih.gov or 10 Center Drive MSC 1356, Building 10, Room 4A-22, Bethesda, MD 20892-1356. E-mail is preferred. Please note search #027 when sending materials.

Further information about DIR laboratories is available at: www.niaid.nih.gov/about/organization/dir/default.htm and information on working at NIAID is available on our website at www.niaid.nih.gov/careers/sdtt.
Chief, Laboratory of Infectious Diseases

The National Institute of Allergy and Infectious Diseases (NIAID) Division of Intramural Research (DIR) seeks an outstanding individual to head the Laboratory of Infectious Diseases (LID) located in the main NIH campus, Bethesda, MD. A DIR laboratory chief is equivalent to a department chair in a university or medical school. LID has a long and successful history of development of antiviral vaccines and in the study of immune responses to viruses; the pathogenesis of viral infections; the molecular biology, antigenic diversity, and genetics of viruses; and, with the application of epidemiologic principles, the discovery of viral agents that cause previously unrecognized diseases or diseases whose cause was not previously established. The laboratory maintains a broad, flexible, and diverse scientific environment that supports and stimulates the activities of the vaccine programs at NIAID, including rapid development and testing of vaccines and immunoprophylactic agents in both developed and developing countries.

This position requires an individual with a Ph.D., M.D., D.V.M., or equivalent degree with proven ability to carry out a strong independent research program. Preference will be given to candidates with a record of leadership and accomplishment in vaccine discovery and development as well as in the study of viral pathogenesis. The selected individual will also be expected to recruit other principal investigators with independent research programs, manage a complex organization, lead a vaccine production unit, and oversee clinical trials in the United States and abroad. In addition, she/he will be expected to conduct an independent laboratory and/or a translational/clinical research program. Salary is dependent on experience and qualifications.

Generous ongoing support for salary, technical personnel, postdoctoral fellows, equipment, and research supplies will be provided. Available cores or collaborative facilities include flow cytometry, advanced optical imaging, microarray generation and analysis, high throughput sequencing, computational biology, production of transgenic and gene-manipulated mice, biosafety level 3 facilities, chemical genomics, and support for projects involving RNAi screening. In addition to an outstanding international postdoctoral community, a superior pool of graduate and undergraduate students is available to the successful applicant.

Interested candidates may contact DIR Director Dr. Kathryn Zoon at 301-496-3006 or kzoon@niaid.nih.gov for additional information about the position.

To apply, submit your curriculum vitae, bibliography, and a detailed statement of how your expertise can contribute to the success of the LID to Yushekia Hill at NIAID.DIR.Search@niaid.nih.gov. In addition, three letters of reference must be sent directly from the referee to Dr. John Gallin, Chair, NIAID Search Committee, c/o Yushekia Hill at NIAID.DIR.Search@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room 4A22, Bethesda, MD 20892-1356. E-mail is preferred. Applications will be reviewed starting November 16, 2009, and will be accepted until the position is filled. Please refer to ad #26 on all correspondence. Further information about LID is available at www.niaid.nih.gov/labs/aboutlabs/lid/, information regarding the DIR laboratories is available at www.niaid.nih.gov/about/organization/dir/default.htm, and information about working at NIAID is available at www.niaid.nih.gov/careers/nc.
The Laboratory of Immunology (LI), Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health (NIH) invites applications for a tenure-track/tenured investigator position in immunology. Applicants should have a Ph.D., M.D., or equivalent degree; an outstanding record of postdoctoral accomplishment; and an interest in any area of biomedical research related to immunology.

Specifically, we seek a highly creative individual who will establish an independent, world-class research program that takes full advantage of the special opportunities afforded by the stable, long-term funding of the intramural research program at NIH. She or he should be interested in developing and applying novel approaches to the study of problems of major biological and/or medical importance, which could include a significant clinical or translational effort in addition to bench research. In the former case, the successful candidate would have access to the NIH Clinical Center, a state-of-the-art research hospital on the NIH campus in Bethesda, MD, and ample opportunity to participate in the activities of the Trans-NIH Center for Human Immunology.

Generous ongoing support for salary, technical personnel, postdoctoral fellows, equipment, and research supplies will be provided. Available core or collaborative facilities include flow cytometry, advanced optical imaging, microarray generation and analysis, high throughput sequencing, computational biology, production of transgenic and gene-manipulated mice, biosafety level (BSL)-3 facilities, chemical genomics, and support for projects involving RNAi screening. The successful applicant will also have access to Trans-NIH initiatives involving technology development, translational investigation, and multidisciplinary science. In addition to an outstanding international postdoctoral community, a superior pool of graduate and undergraduate students is available to the successful applicant.

LI has a distinguished history of accomplishment in immunology. We strongly encourage application by outstanding investigators who can continue and enhance this record of achievement. Current LI investigators are Ronald Germain, Michael Lenardo, David Margulies, Stefan Muir, William Paul, Ethan Shevach, and Tsan Xiao.

To apply, e-mail curriculum vitae, bibliography, and outline of a proposed research program (no more than two pages) to Ms. Yushekia Hill at NIAID.DIR.Search@niaid.nih.gov. In addition, three letters of reference must be sent directly from the referee to Drs. Giorgio Trinchieri and Dan Kastner, Co-Chairs, NIAID Search Committee, c/o Ms. Yushekia Hill, at NIAID.DIR.Search@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room 4A22, Bethesda, MD 20892-1356. Email is preferred. Applications will be reviewed starting 11/16/09 and will be accepted until the position is filled. Please refer to ad #028 on all communications. For further information about this position, contact Dr. William Paul at 301-496-5046 or wpaul@niaid.nih.gov.

A full package of benefits (including retirement and health, life, and long-term care insurance) is available. Women and minorities are especially encouraged to apply. U.S. citizenship is not required.

To learn more about NIAID and how you can work in this exciting research organization, please visit us on the web at www.niaid.nih.gov/careers/nti.
Call for Research Scientists, RIKEN, Japan

RIKEN has openings for research scientists at the following laboratories.


[Conditions] A tenured fulltime position until RIKEN’s retirement age of 60. However, the applicant may be offered instead a five-year fixed-term employment contract depending on the selection results. In this case, the employee can move to a tenured position after undergoing a successful review to be held at the end of the first 3 years of employment. Annual salary and other conditions of the fixed-term contract position are the same as for the tenured position. Salary shall be determined on an annual basis subject to the applicant’s experience and performance. These and other provisions are in accordance with RIKEN regulations.

[Application] The required documents differ according to the laboratory. Refer to the job description URL mentioned above for details.

[Deadline] 5pm on Tuesday, November 24, 2009 (Japan Standard Time)

[Start of Employment] April 1, 2010 or later, but negotiable.

[Contact Information for Submitting Documents and Making Inquiries]
Research Personnel Section, Advanced Research Promotion Division, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198
E-mail: rps-saiyo (please add “@riken.jp” to complete the address) Email attachments and telephone calls cannot be accepted. When you mail your application, please send as certified mail so that there will be a record of delivery. Please write in red on the front of the envelope, the name of the laboratory you are applying for: http://www.riken.jp/engn/r-world/info/recruit/index.html

Faculty Position Molecular Biology Sloan-Kettering Institute

The Molecular Biology Program of the Sloan-Kettering Institute, Memorial Sloan-Kettering Cancer Center (www.ski.edu), has initiated a faculty search at the Assistant Member level (equivalent to Assistant Professor). We are interested in outstanding individuals who have demonstrated records of significant accomplishment and the potential to make substantial contributions to the biological sciences as independent investigators. Successful applicants will have research interests that move the Program into exciting new areas that complement and expand our existing strengths in the areas of maintenance of genomic integrity, regulation of the cell cycle, and regulation of gene expression. Faculty will be eligible to hold appointments in the Gertner Sloan-Kettering Graduate School of Biomedical Sciences, the Weill Cornell Graduate School of Medical Sciences, as well as the Tri-Institutional MD/PhD Training Program.

Candidates should e-mail their application in PDF format to molbio@mskcc.org by November 16, 2009. The application should include a CV, description of past and proposed research (57 pp), and copies of three representative publications. Candidates should arrange to have three letters of reference sent in PDF format to molbio@mskcc.org. The letters should arrive by November 16, 2009 and should be addressed to Dr. Kenneth Marians, c/o Julie Kwan, Box 135, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, New York 10065. Inquiries may be sent to Ms. Kwan at molbio@mskcc.org or to Dr. Kenneth Marians, Chair, Molecular Biology Program at kmarians@mskcnkettering.edu. Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer and smoke-free environment.

Tenure-track Faculty Positions (Assistant/Associate Professor/Professor)

Applications are invited for tenure-track positions in the Department of Molecular Genetics and Microbiology, Duke University Medical Center. We are currently seeking individuals addressing questions of biological interest via genetic and/or microbiological approaches. Existing areas of strength in the department include:

- Microbiology (virology, mycology, bacteriology)
- RNA biology and genomic expression analysis
- Yeast genetics and genomics
- Genetics of model systems and humans
- Chromosome structure, function, replication, and repair

The development of interdisciplinary research and graduate programs at Duke University, including the Institute for Genome Science and Policy, provides a robust environment for scientific interactions and training. Applications should include a curriculum vitae, a description of research accomplishment and plans for future research, and reprints of three representative publications. Applicants should also arrange to have three letters of recommendation submitted on their behalf. Application materials should be emailed as PDF files to: MGMSearch2010@notes.duke.edu.

The deadline for receipt of applications is December 15, 2009.

Women and minorities are encouraged to apply. Duke University is an Equal Opportunity/Affirmative Action Employer.
Nobel Laureates and World Academicians converge on City University of Hong Kong to discuss topical issues that will shape the future course of science and technology.

In celebration of the 25th Anniversary, City University of Hong Kong is staging a series of World Academician Conferences addressing key issues in science. Following the hugely successful opening conference on bioscience, three more fascinating events will examine the advancement of science, energy and environment, and engineering science and technology.

- **Frontiers in Bioscience: Learning and Memory**
  - 16 June 2009

- **Where is Science Going in the 21st Century?**
  - 22–23 October 2009

- **Energy and Environment: Crisis, Opportunities and Challenges**
  - 5–6 November 2009

- **Engineering Science and Technology: Trends and Frontiers**
  - 14–15 December 2009
  (in collaboration with the Chinese Academy of Engineering)

For more information and registration, visit [www.cityu.edu.hk/summit](http://www.cityu.edu.hk/summit)

**Enquiries:** Telephone: (852) 3442 6913   Fax: (852) 3442 0332   Email: cityu25@cityu.edu.hk
The Helen L. and Martin S. Kimmel Center for Biology and Medicine at the Skirball Institute of Biomolecular Medicine

NYU Langone Medical Center

Faculty Positions

The Helen L. and Martin S. Kimmel Center for Biology and Medicine at the Skirball Institute of Biomolecular Medicine at New York University Langone Medical Center invites applications for tenure-track positions at the assistant, associate or full professor level. We seek applicants with an exceptional record of achievement who are applying state of the art approaches towards studying complex biological problems.

Successful candidates will join our existing programs in Developmental Genetics, Molecular Pathogenesis, Structural Biology and Molecular Neurobiology. These programs are interdisciplinary and reflect strengths at NYU Langone Medical Center and the College of Arts and Sciences. Special priority will be given to applicants who:

• Study mammalian developmental genetics or stem cell biology to understand gene regulation and cellular behavior within an organismal context.

• Study complex physiological circuits, including those that link inflammation to functions of multiple organ systems and that link innate immune responses to host-microbe interactions.

• Study macromolecular structure and mechanism using X-ray crystallography or develop and apply single-molecule techniques.

The NYU Langone Medical Center offers excellent resources to support new faculty, including generous start-up packages and core facilities for cell sorting, imaging, proteomics, mouse molecular genetics, genomics and structural biology.

Successful candidates are expected to initiate and maintain vigorous independent research programs that will enrich and be enriched by the highly collaborative environment at the Skirball Institute and throughout the NYU research community.

This is an electronic application process only. Please create your application packet by formatting it as a single PDF document. Use the following page order: 1) Cover Letter – indicating program preference, 2) Curriculum Vitae, 3) Research Statement 4) One Recent Publication.

Email the application packet to: skirballsearch@med.nyu.edu by November 15th, 2009.

Three letters of reference should be sent independently to: skirballsearch@med.nyu.edu

New York University was founded in 1841 and is an equal opportunity affirmative action employer. Women and minority candidates are encouraged to apply.

NYU School of Medicine
Skirball Institute of Biomolecular Medicine
http://skirball.med.nyu.edu/

IPS, CAS (http://www.shanghaipasteur.cas.cn) is seeking outstanding Principal Investigators (the faculty position) in the fields of viral immunology and vaccinology. Candidates working on viral immunology should have strong research backgrounds in either human immunology, or cellular immunology, or viral immunology, or mouse model in infectious disease. Candidates working on vaccinology should have proven expertise in at least one of the following areas of vaccine development: DNA or protein or peptide or viral vector or VLP based vaccine platforms, novel adjuvant development, vaccine formulation and delivery, vaccine-related immunology.

Applicants must have a Ph.D. and/or M.D. degree with over four years of postdoctoral training and a track record of publications in high-quality international journals. Successful candidates are expected to develop an independent research program demonstrated by national levels of research funding as well as to teach and to train Ph.D. students. Salary will be highly competitive and commensurate with experiences and qualifications.

IPS, CAS is a newly established institution, co-funded by the Institut Pasteur, the Chinese Academy of Sciences, and the Municipality of Shanghai. IPS offers a large panel of core facilities and excellent working conditions in a highly collaborative environment within the Chinese Academy of Sciences network and the worldwide network of Pasteur Institutes.

To apply, applicants should e-mail a cover letter, curriculum vitae and a brief statement of current and future research goals and the names and addresses of three references to Ms. Caroline Wu at nwu@sibs.ac.cn before October 31, 2009

The Center for Craniofacial Molecular Biology at the University of Southern California School of Dentistry seeks applicants for two tenure-track appointments at the Assistant Professor level in Craniofacial Developmental Biology and Tissue Regeneration. We invite candidates whose research interests are complementary to our goal of enhancing our understanding of the multidisciplinary events shaping craniofacial morphogenesis, their malformations and the use of stem cell biology for tissue regeneration. For more information visit the CCMB Web site at: http://www.usc.edu/hsc/dental/ccmb/. This will be a joint appointment with the USC School of Dentistry and the Keck School of Medicine, permitting access to university wide infrastructural research resources, such as core laboratories and full access to PhD students and postdoctoral fellows. Applicants should have a PhD, DDS/PhD, or MD/PhD degree and vigorous post-doctoral training with high impact publications. The successful candidates will be expected to develop an independent research program and successfully compete for NIH funding.

Interested applicants should send a cover letter, complete curriculum vitae, statement of current and future research plans and arrange to have at least three letters of recommendation sent to:

Dr. Yang Chai, Search Committee Chair
c/o Ms. Patricia Thompson
Center for Craniofacial Molecular Biology
USC School of Dentistry
2250 Alcazar Street, CAS 103
Los Angeles, CA 90033
Email: pathomps@usc.edu; Fax: (323)442-2981

The University of Southern California values diversity and is committed to equal opportunity in employment.
PICTURE YOURSELF AS A AAAS SCIENCE & TECHNOLOGY POLICY FELLOW

Make a Difference.
Help give science a greater voice in Washington, DC! Since 1973, AAAS Fellows have applied their skills to federal decision-making processes that affect people in the U.S. and around the world, while learning first-hand about the government and policymaking.

Join the Network.
Year-long fellowships are available in the U.S. Congress and federal agencies. Applicants must hold a PhD or equivalent doctoral-level degree in any behavioral/social, biological, computational/mathematical, earth, medical/health, or physical science, or any engineering discipline. Individuals with a master’s degree in engineering and three years of post-degree professional experience also may apply. Federal employees are not eligible and U.S. citizenship is required.

Apply.
The application deadline for the 2010-2011 AAAS Fellowships is 15 December 2009. Fellowships are awarded in the spring and begin in September. Stipends range from $73,000 to $95,000.

Note: Additional fellowships are available through approximately 30 scientific society partners. Individuals are encouraged to apply with AAAS as well as with any scientific societies for which they qualify.

Full details at: fellowships.aaas.org
SOUTH DAKOTA

PROFESSOR/VICE PRESIDENT FOR ACADEMIC AFFAIRS

The South Dakota School of Mines and Technology invites applications for the position of Provost/Vice President for Academic Affairs. The successful candidate will provide leadership for all areas of Academic Affairs, including academic programs, academic budget development and resource allocation, faculty development, enrollment management, institutional and program assessment, the library, and information technology services. The Provost/Vice President for Academic Affairs reports directly to the School’s President and assists the President in developing the School’s four strategic foci: optimizing enrollment; growing graduate programs and the research enterprise; securing resources; and, continuous quality improvement. He/she serves on the President’s Executive Council and Institutional Cabinet, co-chairs the Institutional Academic Advisory Board, and serves as the interim president during presidential absences. Additionally, the Provost/Vice President for Academic Affairs is the institutional representative to the state-wide Academic Affairs Council.

The successful applicant will possess an earned doctorate (with a preference given to Engineering or Science) from an accredited university with a record of teaching and scholarship sufficient to warrant a tenured appointment at the rank of full professor. In addition, he/she should have at least five years of related administrative experience with demonstrated senior administrative capability; the ability to effectively represent the university locally and internationally; strong interpersonal and communication skills; a demonstrated commitment to fostering excellence in research and teaching; leadership skills in academic program development, assessment, accreditation, strategic planning, technology implementation, and faculty development; strong financial management experience as well as an ability to make data-based decisions within resource limitations; a demonstrated commitment to diversity in hiring, including affirmative action and equal opportunity, and the fostering of an ethnically and culturally diverse learning community; knowledge of key and emerging higher education issues; an ability to work collaboratively with diverse constituencies and an understanding and respect for traditions of shared governance.

The School of Mines is a public state university offering baccalaureate, masters, and doctoral degrees in science and engineering with a student population of approximately 2,100 traditional and non-traditional learners representing 40 states and 29 countries. The university is located at the foot of the beautiful Black Hills in Rapid City, South Dakota’s second largest city. Twenty-five miles from Mount Rushmore, Rapid City has a relatively mild climate and the Black Hills offer numerous opportunities for summer and winter outdoor experiences. For more information regarding Rapid City and the university, visit: http://visitrapidcity.com/ and www.sdsmt.edu.

The School of Mines is committed to recruiting and retaining a diverse workforce. To apply for this position, applicants must apply on-line at http://sdmines.sdsmt.edu/sdsmt/employment. If you need an accommodation to the on-line application process, please contact Human Resources (605) 394-1203. Review of applications will begin October 26, 2009, and will continue until the position is filled.

SDSM&T is an EEO/AA/ADA Employer and Provider.

The University of Michigan invites applications for tenure track ASSISTANT PROFESSOR positions. We are seeking outstanding scholars, with Ph.D., M.D. or equivalent degrees and relevant postdoctoral experience, who show exceptional potential to develop an independent research program that will address fundamental issues in any aspect of stem cell biology. Applicants who have already established successful independent research programs will be considered for tenured ASSOCIATE PROFESSOR or PROFESSOR positions.

Applicants should send a curriculum vitae, copies of up to three reprints, a one- to two-page summary of research plans, and arrange to have three letters of reference sent directly by October 31, 2009 to: Stem Cell Search Committee, c/o Rebecca Fritts, Life Sciences Institute, University of Michigan, 210 Washtenaw Avenue, Ann Arbor, Michigan, 48109-2216.

The University of Michigan is an Affirmative Action/Equal Opportunity Employer.
J. Craig Venter Institute
Faculty Positions

For nearly two decades our scientists have been at the forefront of the genomic revolution. Now, we want you to join us in our quest.

J. Craig Venter Institute scientists have been unraveling and understanding the complexities of life as contained in the genomes of thousands of microbes, plants, and mammals, including humans. Our scientific success is built on the philosophy of conducting science boldly in new interdisciplinary ways, using new tools and with the best scientists. The ever increasing amounts of genomic data and new avenues of research to explore, mean we need additional scientists with unique skills and ideas that will help us better understand the world around us.

JCVI is seeking qualified applicants for positions at all levels in both our Rockville, Maryland headquarters and our San Diego, California facility. We’re looking for interested candidates in the following research areas:

- Human genomics
- Environmental genomics, including human microbiome research
- Synthetic genomics
- Infectious Disease
- Bioenergy

Successful candidates will conduct innovative, independent research, obtain extramural funding, take advantage of interactions with our interdisciplinary, highly collegial group of scientists within JCVI, and complement existing strengths within the organization. Candidates must have a Ph.D. or M.D. and a record of accomplishment in one or more of the targeted areas. The level of appointment will be commensurate with experience. Candidates will be provided with a start-up package.

JCVI offers an excellent working environment and a competitive benefits package. Interested applicants should apply directly in our career center by submitting their CV and a cover letter which includes a description of research interests and contact information for three references. JCVI’s Career Center is located on our web site at www.jcvi.org

Equal Opportunity Employer M/F/D/V
Tenure Track Faculty Position in Biochemistry

The Division of Molecular Biology and Biochemistry, School of Biological Sciences, University of Missouri-Kansas City invites applications for a full-time tenure-track faculty position at a rank commensurate with prior experience and accomplishments. Candidates for a mid-level or senior appointment should have an established record of research productivity and extramural funding. Outstanding scientists in contemporary or emerging areas of biochemical research are encouraged to apply. We seek outstanding scholars with demonstrable abilities in research and teaching, as well as exemplary communication skills. Faculty appointments in the School of Biological Sciences offer competitive salaries, laboratory space, and start-up funds. Core instrumentation facilities support research in macromolecular crystallography, biomolecular NMR, proteomics, and genomics.

Applicants should forward a curriculum vitae, reprints of 2-3 recent publications, and a summary of current and future research plans to the address listed below. Alternatively, electronic copy of application materials (MS Word or Adobe pdf) may be submitted to: mbbsearch@umkc.edu. Subject line should indicate: MBB faculty search. Three letters of recommendation should be directly transmitted to the search committee by the candidate’s referees. Application review will begin immediately and will continue until the position is filled. MBB Search Committee, Division of Molecular Biology and Biochemistry – BSB503, University of Missouri-Kansas City, 5007 Rockhill Road, Kansas City, MO 64110-2499.

The University of Missouri-Kansas City is an EO/AA Employer.

Faculty Position in Immunology

The Department of Molecular Genetics and Microbiology at the University of New Mexico School of Medicine (http://hsc.unm.edu/som/micro/) is seeking an Assistant Professor (exceptional cases at Full Professor will be considered) to join a new program in T cell biology. The successful applicant will be an active participant in departmental activities including medical school teaching. Salary and rank commensurate with qualifications and experience.

Minimum Requirements: • Ph.D., M.D. or equivalent • 2 years of postgraduate research experience in immunology • eligible to work in the United States

Desirable Qualifications:
• strong record of scientific accomplishments
• high probability of receiving external funding
• potential for research and educational interactions with members of the Department of Molecular Genetics and Microbiology
• potential synergy with UNM Health Sciences Center signature programs (hsc.unm.edu/som/bmb/Signatures%20Research%20Pgrms/infectious_diseases_and_immunity.shtml)

UNM places a high priority on the success of its junior faculty. The successful applicant will be given protected time and mentoring by senior faculty to ensure success in extramural funding. Applicants must submit a CV, a letter addressing career goals and qualifications, a brief research plan including a clearly stated significance section and the names of 3 references to: Dolores Tarin, Department Administrator, MSC08 4660, 1 University of New Mexico, Albuquerque, NM, 87131. Reference job posting PRC 677. For best consideration apply by December 1, 2009. The position will remain open until filled.

UNM is an Equal Opportunity/Affirmative Action Employer and Educator.

Professor and Head
Division of Cell Biology and Biophysics

Applications are invited for Professor and Head of the Division of Cell Biology and Biophysics at the School of Biological Sciences, University of Missouri-Kansas City. The successful candidate should have a record of excellence in research with sustained extramural funding. The candidate will be expected to play a leadership role in graduate and undergraduate education, faculty mentorship, determining future research directions, and in the overall development and growth of the School. The School of Biological Sciences is positioning itself to become a regional leader in the areas of structural, molecular, and cellular biology, and microbiology, and welcomes applications from qualified candidates in those areas. However, outstanding scientists from all areas of basic life sciences are encouraged to apply. The successful candidate will receive a competitive 12-month salary, renovated research space, a start-up package commensurate with rank, and the availability of excellent research support facilities within the School of Biological Sciences. Candidates should have a Ph.D. and currently hold a tenured academic position at the rank of Professor.

To apply, please submit electronically (MS Word or pdf) a CV, a statement of present and future research interests, and the names and addresses of 3 references to: Ms. Micaela Escareno (escarenom@umkc.edu). All materials will be handled with strict confidentiality. The position will remain open until filled.

UMKC is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Evolutionary Developmental Biology
Assistant/Associate/Professor
School of Biological Sciences, College of Sciences
Washington State University
Search #5231

The School of Biological Sciences at Washington State University, Pullman, Washington, invites applications for a full-time, permanent, tenure-track faculty position in Animal Evolutionary Developmental Biology to begin August of 2010. Rank for this position is open at Assistant or Associate Professor or Professor. Candidates should have a record that demonstrates relevant ability in animal organismal and evolutionary biology, collaborative research and training, and that complements our faculty’s strengths in organismal and evolutionary biology, molecular evolution, population and ecological genetics, systematics, ecology, and physiology. Applicants must show evidence, commensurate with rank, of outstanding teaching and the development and maintenance of an internationally recognized, extramurally funded empirical research program in animal evolutionary developmental biology. Candidates who are pursuing rigorous, theory-driven empirical research using sophisticated analytical tools are encouraged to apply.

Required qualifications include an earned doctorate at time of application, a record of research accomplishment commensurate with rank in evolutionary developmental biology of animals, evidence of a commitment to teaching excellence in undergraduate and graduate courses and effective communication skills. Successful candidates will be expected to develop and maintain a vigorous, independent research program supported by extramural funding, train graduate and undergraduate students, participate in graduate and undergraduate teaching, and advance the college’s commitment to diversity and multiculturalism. To apply, send a letter of application addressing qualifications, a curriculum vitae, and teaching and research statements. In addition, please provide the names, addresses, and contact information of at least three references that can address research history and teaching and communication skills. Review of applications begins October 25, 2009. Send all materials electronically (PDF) to: Evolutionary Developmental Biology Search Committee, c/o Linda Larrabee; larrabee@wsu.edu; Phone: (509) 335-5768. Full notice of vacancy can be viewed at http://www.hrs.wsu.edu/employment/fapvacancies.aspx. For information on the status of your application, please contact Linda Larrabee at (509) 335-5768 or larrabee@wsu.edu.

EE/OAA/ADA
BIOLOGICAL SCIENCES SCHOLARS PROGRAM
For Junior, Tenure-Track Faculty

The University of Michigan announces recruitment for the Biological Sciences Scholars Program (BSSP) to continue to enhance its investigational strengths in the life sciences research programs.

Now entering its 13th year, this Program has led to the recruitment of outstanding young scientists in the areas of genetics, microbiology, immunology, virology, structural biology, pharmacology, biochemistry, molecular pharmacology, stem cell biology, cancer biology, physiology, cell and developmental biology, and the neurosciences. The Program seeks individuals with PhD, MD, or MD/PhD degrees, at least two years of postdoctoral research experience, and evidence of superlative scientific accomplishment and scholarly promise. Successful candidates will be expected to establish a vigorous, externally-funded research program, and to become leaders in departmental and program activities, including teaching at the medical, graduate, and/or undergraduate levels. Primary college and department affiliation will be determined by the applicant’s qualifications and by relevance of the applicant’s research program to departmental initiatives and focus. All faculty recruited via the BSSP will be appointed at the Assistant Professor level.

APPLICATION INSTRUCTIONS: Please apply to the Scholars Program through the BSSP website at: (http://www.med.umich.edu/medschool/research/bssp/). A curriculum vitae (including bibliography), a three-page research plan, an NIH biosketch, and three original letters of support should all be submitted through the BSSP website. More information about the Scholars Program, instructions for applicants and those submitting letters of recommendation, and how to contact us is located on the BSSP web site: (http://www.med.umich.edu/medschool/research/bssp/). The deadline for applications is Friday, October 30, 2009.

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

ASSISTANT PROFESSOR
Cardiovascular Division

The Department of Medicine, Cardiovascular Division is seeking applications for a tenure-track faculty position at the Assistant Professor level. Qualified candidates must have a M.D., M.D./Ph.D. or Ph.D. degree(s) and productive lab research experience. Areas of research considered to be a priority are: cardiac excitation-contraction coupling, cardiac calcium channel physiology, and cardiovascular nitric oxide signaling. The successful candidate will be expected to build and maintain an active, externally financed research program that complements the current research standards set by the Department/Division. A competitive salary and startup package will be provided. Individuals interested in applying for this position are encouraged to submit their curriculum vitae with a cover letter discussing teaching philosophies and goals, along with three letters of reference to: Anthony J. Muslin, M.D., Chair of the Search Committee, Cardiovascular Division, Washington University, School of Medicine, 660 S. Euclid Ave., Campus Box 8086, St. Louis, Missouri 63110. The application review process will begin October 1, 2009, and will continue until the position is filled.

Washington University is an Equal Opportunity and Affirmative Action Employer. Women and minorities are encouraged to apply.

CLINICAL DIRECTOR

The National Institute of Dental and Craniofacial Research (NIDCR) invites applications for the position of Clinical Director in the Division of Intramural Research. The incumbent is responsible for all patient-related activities in the NIDCR intramural program at the Bethesda campus, serves as a representative for NIDCR with the National Institutes of Health (NIH) Clinical Center, advises the Scientific Director and the Institute Director in the planning and development of a clinical research portfolio, and provides direction to all clinical intramural programs and activities (training and research). The Clinical Director provides leadership to the development and administration of NIDCR clinical training programs, oversees the Clinical Research Core Facility, and administers quality assurance programs for all clinical and translational research and patient-related activities. In addition, he/she acts as liaison to senior and junior clinical staff and the public.

Qualifications for this position include a DDS/DMD degree. The successful candidate must have a national/international reputation as an exceptional medical scientist and be prepared to establish an independent clinical and/or translational research program within NIDCR. In addition, the candidate must have demonstrated administrative, management, leadership and mentoring skills. Women and minorities are encouraged to apply.

The NIDCR is a major research component of the NIH and the Department of Health and Human Services (DHHS). Current research programs at NIDCR include: basic and translational biology of bone and teeth; physiology and developmental biology of salivary glands and novel approaches to treatment of salivary hypofunction; etiology and treatment of oral and pharyngeal cancer; inflammation, oral biofilms and infectious diseases; craniofacial genetics; and the neurobiology of taste, pain and touch. With nation-wide responsibility for improving the health and well being of all Americans, the DHHS oversees the biomedical research programs of the NIH and those of NIH’s research Institutes.

Interested candidates should send a cover letter, curriculum vitae, bibliography, and names and complete contact information for three references to: Ms. Carol Beasley, National Institute of Dental and Craniofacial Research, 31 Center Drive, Building 31, Room 2C39, MSC-2290, Bethesda, MD 20892-2290 or via email to carol.beasley@nih.gov. Applications will be considered until the position is filled.

DHHS and NIH are Equal Opportunity Employers.
**Lennox K. Black International Prize**

For Excellence In Biomedical Research

Thomas Jefferson University, an academic health center and premier research institution in Philadelphia, Pennsylvania, solicits nominations for the 2010 Recipient of the Lennox K. Black Prize. The Prize is awarded biennially and recognizes the impact, accomplished or potential, of pioneering biomedical research on the alleviation of human disease and suffering.

The 2010 Prize will recognize major contributions toward a mechanistic understanding, control, therapy or prevention of Infectious Diseases.

The Black Prize awardee will be keynote speaker at a symposium at Thomas Jefferson University in November, 2010, and will receive the Black Prize Medal and cash award of US$15,000. We invite nominations of internationally recognized biomedical scientists residing outside the United States. Nominations, which should include a full curriculum vitae and brief statement of research accomplishments and contributions, should be received by 29 October 2009.

Please direct nominations or inquiries to:
Laurence Eisenlohr, VMD, PhD or James H. Keen, PhD
Co-Chairs, Selection Committee
c/o Jefferson College of Graduate Studies
1020 Locust Street, M-63
Philadelphia, PA 19107
USA
Telephone: 215-503-8982
Email: Laurence.Eisenlohr@jefferson.edu

---

**Endowed Chair Position**

The Institute for Cellular and Molecular Biology invites applications for an Endowed Chair Position. An academic appointment at the level of tenured Professor will be held in an appropriate academic unit in the College of Natural Sciences. Candidates should have an outstanding research program that applies molecular biological and/or biochemical approaches to important biological problems. Areas of interest include, but are not limited to, Biochemistry, Cancer Biology, and Human Genetics. The position carries an exceptional salary and start-up package.

Building on a strong existing faculty, the Institute has recruited more than 60 new faculty members in the past ten years. Faculty roster can be reviewed at http://www.icmb.utexas.edu. In addition to its highly interactive and interdisciplinary research environment, The Institute is the home base for the University-wide Graduate Program in Cell and Molecular Biology and supports the state-of-the-art core facilities for DNA and protein analysis, mass spectrometry, electron and confocal microscopy, DNA microarrays, robotics, X-ray crystallography, mouse genetic engineering, and NexGen genomics sequencing. An MD-PhD program with the UT Medical Branch and the new Dell Pediatrics Research Institute in Austin further enhance the environment for Biomedical Research.

Austin is located in the Texas hill country and is widely recognized as one of America’s most beautiful and livable cities.

Please send curriculum vitae, summary of research interests, and names of five references to:

Dr. Alan M. Lambowitz, Director
The Institute for Cellular and Molecular Biology
The University of Texas at Austin
1 University Station A4800
Austin TX 78712-0159

---

**Assistant Professor - Biology**

The Department of Biology at Rensselaer Polytechnic Institute in Troy, NY is in a period of rapid expansion with many new faculty appointments in a wide spectrum of areas in the biological sciences anticipated in the next five years. Currently, the Department is actively seeking an exceptionally qualified scientist to work in an exciting, interdisciplinary environment as a full-time tenure-track assistant professor.

**Qualifications:** The successful candidate will have

- A Ph.D. or equivalent degree in the biological sciences (degree must be conferred by the commencement of the appointment)

- Related postdoctoral experience

- Demonstrated, through accomplishments, promise of future distinction in scholarship and education

**Expectations:** As a member of Rensselaer’s tenure track faculty, the incumbent will be expected to establish an extramurally funded research program, to train graduate students, and to participate in undergraduate education.

**Application Instructions:** To apply, applicants should email a single PDF document containing curriculum vitae, a three-page statement of research accomplishments and goals, and a brief description of teaching interests to biology-chair@rpi.edu. In addition, applicants should arrange to have at least three letters of recommendation forwarded by email. Consideration of candidates will begin upon receipt of applications and will continue until the position is filled.

---

We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer’s work and campus communities. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.
### SYMPOSIA

#### INFORMATION PROCESSING AND SENSING
- **A:** High-k Dielectrics on Semiconductors with High Carrier Mobility
- **B:** Reliability and Materials Issues of Semiconductor Optical and Electrical Devices
- **C:** Large-Area Processing and Patterning for Optical, Photovoltaic, and Electronic Devices II
- **D:** Organic Materials for Printable Thin-Film Electronic Devices
- **E:** Advanced Materials for Half-Metallic and Organic Spintronics
- **F:** Multiferroic and Ferroelectric Materials
- **G:** Magnetic Shape Memory Alloys
- **H:** ZnO and Related Materials
- **I:** III-Nitride Materials for Sensing, Energy Conversion, and Controlled Light-Matter Interactions
- **J:** Diamond Electronics and Bioelectronics—Fundamentals to Applications III

#### NANOSCIENCE AND TECHNOLOGY
- **K:** Nanotubes and Related Nanostructures
- **L:** Large-Area Electronics from Carbon Nanotubes, Graphene, and Related Noncarbon Nanostructures
- **M:** Multifunction at the Nanoscale through Nanowires
- **N:** Colloidal Nanoparticles for Electronic Applications—Light Emission, Detection, Photovoltaics, and Transport
- **O:** Excitons and Plasmon Resonances in Nanostructures II
- **P:** The Business of Nanotechnology II

#### ENERGY AND THE ENVIRONMENT
- **Q:** Photovoltaic Materials and Manufacturing Issues II
- **R:** Advanced Nanostructured Solar Cells
- **S:** Organic Materials and Devices for Sustainable Energy Systems
- **T:** Nanomaterials for Polymer Electrolyte Membrane Fuel Cells
- **U:** Materials Challenges Facing Electrical Energy Storage
- **V:** Materials Research Needs to Advance Nuclear Energy
- **W:** Hydrogen Storage Materials
- **X:** Catalytic Materials for Energy, Green Processes, and Nanotechnology
- **Y:** Energy Harvesting—From Fundamentals to Devices

#### MATERIALS ACROSS THE SCALES
- **CC:** Phonon Engineering for Enhanced Materials Solutions—Theory and Applications
- **DD:** Microelectromechanical Systems—Materials and Devices III
- **EE:** Metamaterials—From Modeling and Fabrication to Application
- **FF:** Mechanical Behavior of Nanomaterials—Experiments and Modeling
- **GG:** Plasticity in Confined Volumes—Modeling and Experiments
- **HH:** Multiscale Polycrystal Mechanics of Complex Microstructures
- **II:** Mechanomechanics in Materials Science
- **JJ:** Multiscale Dynamics in Confining Systems
- **KK:** Nanoscale Pattern Formation
- **LL:** Multiphysics Modeling in Materials Design
- **MM:** Ultrafast Processes in Materials Science
- **NN:** Advanced Microscopy and Spectroscopy Techniques for Imaging Materials with High Spatial Resolution
- **OO:** Dynamic Scanning Probes—Imaging, Characterization, and Manipulation
- **PP:** Materials Education

#### HEALTH AND BIOLOGICAL MATERIALS
- **QQ:** Responsive Gels and Biopolymer Assemblies
- **RR:** Engineering Biomaterials for Regenerative Medicine
- **SS:** Biosurfaces and Biointerfaces
- **TT:** Nanobiotechnology and Nanobiophotonics—Opportunities and Challenges
- **UU:** Molecular Biomimetics and Nanobiophotonics—Opportunities and Challenges
- **VV:** Micro- and Nanoscale Processing of Biomaterials
- **WW:** Polymer Nanofibers—Fundamental Studies and Emerging Applications
- **XX:** Biological Imaging and Sensing Using Nanoparticle Assemblies
- **YY:** Compatibility of Nanomaterials

#### GENERAL INTEREST
- **X:** Frontiers of Materials Research

---

**2009 MRS Fall Meeting Chairs**

**Kristi Anseth**  
University of Colorado  
Tel 303-735-5336  
kristi.anseth@colorado.edu

**Li-Chyong Chen**  
National Taiwan University  
Tel 886-2-33665249  
chenlc@ntu.edu.tw

**Peter Gumbsch**  
University of Karlsruhe (TH)  
Tel 49-72-1608-4363  
peter.gumbsch@izbs.uni-karlsruhe.de  
and  
Fraunhofer-Institut fuer Werkstoffmechanik IWM  
Tel 49-761-5142-100  
peter.gumbsch@iwm.fraunhofer.de

**Ji-Cheng Zhao**  
The Ohio State University  
Tel 614-292-9462  
zhao.199@osu.edu

For additional meeting information, visit [www.mrs.org/fall2009](http://www.mrs.org/fall2009)
FACULTY POSITIONS at The Lillehei Heart Institute, University of Minnesota

The Lillehei Heart Institute at the University of Minnesota is an exceptional, interactive and creative physician-scientist and scientists to join our faculty. We invite applicants from outstanding candidates for tenure-track ASSISTANT and ASSOCIATE PROFESSOR, as well as tenured faculty. The positions offer outstanding startup funds, highly competitive salaries, new laboratory space, and access to outstanding state-of-the-art core facilities in an interactive and collaborative environment. Of particular interest are candidates having a research focus in cardiac morphogenesis, stem cell and iPS biology, signaling pathways in hypertrophy and heart failure, cardiovascular genomics, microRNAs and molecular physiology. Interested applicants should provide curriculum vitae and a two- to five-page statement of current research interests and future plans and should have three letters of recommendation sent directly to the following address:

Daniel J. Garry, M.D., Ph.D.
Chief, Cardiovascular Division
Director, Lillehei Heart Institute
312 Church Street S.E., Room 4-112
Minneapolis, Minnesota 55455
E-mail: garry@umn.edu

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

The Department of Biological Sciences (website: http://www.biology.buffalo.edu) at the State University of New York at Buffalo (UB) is seeking outstanding applicants for a tenure-track ASSISTANT PROFESSOR position in the field of developmental genomics. Candidates with interests in using whole-genome approaches in animals and/or plants to study fundamental biological processes including embryonic development, nervous system development, and creation/maintenance of specific organs and tissues are encouraged to apply. The position is offered as part of a strategic initiative in the area of molecular recognition in biological systems and bioinformatics.

UB is the largest and most comprehensive campus in the SUNY system, an outstanding research institution with facilities with opportunities for interdisciplinary interactions within UB, Roswell Park Cancer Institute, and the New York State Center of Excellence in Bioinformatics and Life Sciences. A generous startup package will be provided. The successful candidate will be expected to maintain an externally funded research program and to participate in graduate and undergraduate teaching. Applicants should have a Ph.D. (or other Doctoral degree) and at least three years of post-doctoral experience, a scholarly publication record, and fluency in both spoken and written English.

To apply, curriculum vitae, description of current and future research interests, and reprints of at least three recent publications must be electronically submitted to website: http://www.ujobjs.buffalo.edu/applicants/CentralQuickFind=52921. In addition, three reference letters should be sent under separate cover. Deadline for applications is December 1, 2009. Reviews of applications will continue until the position is filled. Please consult our website for information about UB, our Department, and our community.

The University at Buffalo is an Equal Opportunity Employer/Recruiter.

ASSISTANT PROFESSOR in Quantitative Biology

Oakland University is seeking an outstanding researcher in quantitative biology, starting January 1, 2010. Applicants from a wide variety of disciplines are welcome, including bioinformatics, mathematical modeling, bio-statistics, and bioengineering. Applicants should possess a Ph.D. (or equivalent) in biology, engineering, or a closely related field to the area of quantitative biology, and preferably additional postdoctoral experience. Teaching experience at the college level, or the potential to teach, is required. The University of Nebraska has an active National Science Foundation ADVANCE gender equity program, and is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

To apply, go to website: http://employment.unl.edu. Search for requisition #090541 and complete the Faculty Academic Administrative Information Form. Attach a letter of application and curriculum vitae, including three letters of reference. E-mail should be sent electronically to: ewdnttd1@unl.edu by October 23, 2009. Review of applications will begin on October 23, 2009, and continues until the position is filled. Visit our search website: http://www.unljobs.unl.edu. The University of Nebraska is an Affirmative Action, Equal Employment Opportunity Employer.

The Instituto de Neurobiología Universidad Nacional Autónoma de México in Querétaro, Mexico (website: http://www.inb.unam.mx), invites applications for a tenure-track position at the ASSISTANT OR ASSOCIATE PROFESSOR level in the Department of Developmental Neurobiology and Neuropharmacology. We seek scientists whose research focuses on one or more of the following themes using modern and novel experimental approaches: development of the nervous system; structure, connectivity, and plasticity of the nervous system; sensory systems; chronobiology; aging; neurodegeneration; and stem cells. The successful applicant is expected to establish a strong, externally funded research program, to engage in intramural collaborative projects, to supervise graduate students, and to teach basic and advanced courses in the area of neurobiology. Applicants should send their curriculum vitae, three letters of recommendation, vision statements on research and teaching, and selected publications to: Magda Giordano, e-mail: giordano@servidor.unam.mx by October 31, 2009.

Custom Antibody Production

• Polyclonal and monoclonal antibodies
• Advanced antigen design
• Phosphorylation site specific antibodies
• Application guaranteed antibodies
• Industry leading affordable price

KlenTaq 1

Widely Recognized
100% Original Guaranteed
8¢/u

Dna polymerase
+60,000 user
Polymerase
Template Tag DNA
Wor41019
1-800-303-3362
e-mail: abpeps@msn.com
www.abpeps.com

Immunohistochemical Reagents

* Hapten Reporter Groups and Conjugates
* Wide Selection of Conjugates: NP, DNP, TNP, PC Proteins & more!

BIOSPEC TECHNOLOGIES
+1.800.GENOME.1
www.batimunno.com

Immunohistochemical Reagents