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Cell and Molecular Biology

The Federated Department of Biological Sciences at Rutgers University–Newark invites applications for a tenure-track, full-time ASSISTANT PROFESSOR position in the broadly defined area of molecular and cellular biology. Applicants must have a Ph.D. degree or equivalent along with postdoctoral training. The successful candidate will receive generous startup support and laboratory space in anticipation of developing a robust, externally funded, independent research program and contributing to the teaching mission of the Department. Candidates having demonstrated expertise in using in vitro and in vivo mammalian model systems to study cell and molecular biological aspects of signal transduction of growth factors/neurotransmitters, cell polarity, cell-cell interaction, and organellar biogenesis are strongly encouraged to apply.

Applicants should submit a single PDF document (including cover letter, curriculum vitae, brief summary of current/proposed research plans, and selected publications) and should have three letters of recommendation forwarded to the following address: e-mail: biosearch@newark.rutgers.edu. Review of applications will begin October 15, 2009.

Rutgers University is the recipient of the NSF ADVANCE Institutional Transformation Award and it is also an Affirmative Action/Equal Opportunity Employer.

The University of Missouri School of Medicine is seeking a clinician researcher for a tenure-track faculty position at the rank of ASSISTANT or ASSOCIATE PROFESSOR; however, outstanding applicants at FULL PROFESSOR will be considered. The position will be in the Department of Child Health and the Department of Nutrition and Exercise Physiology. Applicants must have a M.D. or D.O. degree and be Board certified in any pediatric subspecialty. Applicants who are registered diabetics or have an additional degree of Ph.D. are especially welcome. The position will be for 25 percent clinical time and will have 75 percent protected research time. The successful candidate will have a demonstrated track record of research with an interest area of childhood nutrition. Responsibilities will also include teaching/advising Nutritional Sciences graduate students and Child Health residents and medical students.

You may direct your inquiries, letters of reference, and curriculum vitae to: Christopher Hardin, Ph.D., Chairman, Department of Nutrition and Exercise Physiology, 217 Gwynn Hall, University of Missouri, Columbia, MO 65211. Electronic applications preferred to e-mail:unches@missouri.edu. Initial questions related to the clinical aspects of the position may be directed to Timothy Fetter, M.D., M.P.H., Chairman, Department of Child Health, telephone: 573-882-6882; e-mail: fetet@health.missouri.edu. Active review of applications will begin October 15, 2009, and will continue until the position is filled. Visit the University of Missouri-Columbia’s website: http://www.missouri.edu/. Direct ADA accommodation requests to our coordinator at telephone: 573-884-7278 (V/TTY).

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FACULTY POSITIONS
University of Washington
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As part of a long-term hiring plan, the Department of Biology (website: http://www.biology.washington.edu) is conducting a search for outstanding scientists in all areas of biology. To enhance a forward-looking faculty while maintaining high standards of excellence, we encourage applications this year from candidates working in organismal physiology, cell and developmental biology, or novel syntheses of these areas. A record of outstanding achievement, a promising research program, and a commitment to teaching are more important than the specific research topic or study organism. Tenure-track appointments at the ASSISTANT or ASSOCIATE PROFESSOR rank are anticipated. Priority will be given to applications received by 15 October 2009 at website: http://www.biology.washington.edu/facchires/. Applicants must have earned a doctorate by the date of appointment. All University of Washington faculty engage in teaching, research, and service. UW is an Affirmative Action, Equal Opportunity Employer. We have a culturally diverse faculty and staff and strongly encourage applications from women, minorities, individuals with disabilities, and covered veterans.

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Sean Bohen
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Melissa Starovasnik
Senior Director, Structural Biology and Research Operations

“I am inspired each day by the incredibly talented and driven individuals that I have the privilege of working with at Genentech. Scientists here, at every level, are passionate about their research and enthusiastic about working together to bring forward the medicines that will make a difference in the lives of patients.

Our group is engaged in research spanning all aspects of early discovery. For me, it is the impressive breadth of biology and the availability of a remarkable toolkit of creative molecular engineering strategies that makes this an amazing place and keeps me constantly challenged by opportunities to make a difference.”
INNOVATION MORE CRITICAL THAN EVER

The year 2009 has been a time of change for the biotechnology and pharmaceutical industry. With a weakened global economy and dwindling drug pipelines, many of the companies that made the list of Science’s 2009 top employers are finding that maintaining innovation through collaborations and partnerships is critical to success. By Laura Bonetta

The global economic meltdown severely damaged many industries. Although the pharmaceutical industry is normally relatively immune to economic downturns, most biotechnology and pharmaceutical companies have had to find ways to tighten their belts. In addition, for many of them the pipeline of promising drug candidates has dried up at around the same time that existing drugs are set to lose their patent protection. To feed pipelines and cut costs some companies have merged, while many others have formed partnerships.

The shifting political landscape has also brought change. In the United States, the ongoing push for health care reform may mean that drugs will soon be marketed differently. And heightened public concern about drug safety has resulted in new legislation that will lead to more stringent safety regulations by the US Food and Drug Administration (FDA).

But not everything is changing. For one thing Genentech, now a wholly owned member of the Roche group, has not budged from its No. 1 position in this year’s Science survey of top employers in the industry. “We are delighted to once again be named top employer by Science magazine,” says Marc Tessier-Lavigne, Genentech’s executive vice president for research and chief scientific officer. “The honor is a real testament to Genentech’s unique culture and to the dedication of our employees.” The company held on to the No. 1 spot despite the fact that at about the same time the web-based survey was being completed in March 2009, Genentech was acquired by the Swiss company Roche.

The over 2,000 people who responded to the top employer survey selected companies, including their own, that they regarded as best, average, and worst employers. And although they shuffled places somewhat, most of the companies who made it to the top 20 list (see figure on p. 162) were on that list last year and the year before that. One exception is Syngenta. A company providing seeds and crop protection products, Syngenta made the list for the first time this year at No. 20.

Between Genentech and Syngenta, the top 20 employers include Boehringer Ingelheim at No. 2, followed by Genzyme and then Monsanto. Millennium: The Takeda Oncology Company, which took its new name after Millennium was acquired by Takeda Pharmaceuticals in May 2008, came in at No. 5, followed by Merck KGaA, Schering-Plough, Amgen, Gilead Sciences, and Johnson & Johnson at No. 10. Next came Eli Lilly and Company, Novartis, GlaxoSmithKline, AstraZeneca, Biogen Idec, Merck, Roche, Wyeth, and sanofi aventis. Among these top 20 companies, 12 are headquartered in the United States and eight are in Europe.

As in previous years, all survey takers rated the companies they had chosen on 23 driving characteristics. Being an innovative leader in the industry remains the most powerful driving characteristic of top employers. In addition, doing important, quality research, being socially responsible with loyal employees, having leaders who keep the organization moving in the right direction, having values that are aligned with employees’ personal values, and treating employees with respect are the other important drivers selecting the best company.

All companies on the top 20 list received high marks for these drivers, with some companies doing better on some drivers than others (see figure on p. 168).

Innovation Is Key

Being a leader in new discoveries and innovation is what many of the companies on the top 20 list strive to achieve. For three consecutive years, this driver was the top criterion among survey takers in selecting the best company to work for. continued →

“Being a leader in new discoveries and innovation is what many of the companies on the top 20 list strive to achieve.”

UPCOMING FEATURES

Careers in Neuroscience — October 16
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At Amgen “we look for approaches to disease that have never been pursued,” says Roger Perlmutter, executive vice president for research and development. “We avoid me-too research.” A recent example of innovative science is the development of an antibody that targets a protein secreted by bone cells and that inhibits bone formation. That research, according to Perlmutter, has revealed fundamental insights into bone biology, as well as being developed as a possible treatment for bone diseases.

“We don’t do work where someone has already pursued a target and we can make another version of that drug,” says Perlmutter. “That is not to say that kind of work is unimportant. Changing a drug so that it can be taken once a day rather than twice a day makes a big difference in a patient’s life. But it’s not what we do.”

The focus on innovation is just as important for other types of biotechnology companies, even ones that are not in the business of making drugs. “Over the course of time we have proven that we are leaders in innovation,” says Roger Kemble, head of crop genetics research and interim president of Syngenta. (Last year, for the first time ever, a company outside the biopharmaceutical business reached the first tier of top employers—2008 survey respondents voted Monsanto into second place after Genentech. This year Monsanto dropped to fourth place, but Syngenta, another company that applies biotechnology and traditional chemistry to the development of agricultural products, made the list of top employers for the first time.)

“We pursue innovative ideas that did not exist before. We are not improving something that existed. We are starting with a clean slate, using sophisticated tools and talented people to bring plant potential to life,” says Kemble. “Innovation comes from realizing that research can only advance if we have innovative people to advance it and if we give them time and space to innovate.”

One way in which the company rewards innovation is through an internal awards program. “It’s a bit like the Oscars for us,” says Kemble. Syngenta employees who had innovative ideas that were later put into practice submit written descriptions of their projects. A special committee then selects the best projects. In 2008, the program had record participation, with around a thousand projects submitted, representing 9,400 employees around the world, about two-thirds of the total work force. continued »
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The Importance of Research

One of the key ingredients of innovation is cutting-edge research. This year’s survey respondents identified research quality as one of the top six drivers of the best employers—a characteristic that was not on the list last year (see figure on p. 166).

Over 90 percent of survey takers who selected the top four employers (Genentech, Boehringer Ingelheim, Genzyme, and Monsanto) agreed that these companies engage in important, high-quality research. In addition, doing high quality research was among the top three drivers for 18 employers out of the top 20 (see figure on p. 162).

“Genentech was founded on doing great science, with a focus on translational research,” says Genentech's Tessier-Lavigne. Genentech's co-founder, Robert Swanson, who died in 1999, often referred to the importance of Genentech's employees by saying, “our most valuable assets go home every evening in tennis shoes,” recalls Tessier-Lavigne.

Tessier-Lavigne is one of several established scientists who were brought to Genentech's top management from academia. Because of its focus on high-quality research and informal atmosphere, Genentech has long been viewed as a cross between academia and industry. Vishva Dixit, vice president of physiological chemistry, joined Genentech in 1997 from the University of Michigan. “When people ask him ‘What is it like working in industry?’ he answers ‘I don't know, I went to Genentech,’” says Tessier-Lavigne.

Genentech's employees value “being part of a science-driven culture and one with very little hierarchy,” he adds. “But what inspires them is being focused on improving patients’ lives. That's what motivates us here.”

Flat Hierarchies

It comes as no surprise that scientists don't like hierarchy and most companies that made the top 20 list understand that. Representatives from these companies typically describe their company's environment as being open and with little top-to-bottom decision making.

“Scientists live for initiatives, they live for motivation. They need to be taken seriously and not micromanaged,” says Gerd Schnorrenberg, senior vice president for research for Boehringer Ingelheim, based at the company's largest research site in Biberach, Germany. “We have very flat hierarchy in research. Our scientists report their project results in management meetings directly to board members.”

With 41,300 employees worldwide, Boehringer Ingelheim has 1,700 researchers (out of a total of 6,700 employees in the whole research and development area). A relatively small research group helps maintain informal and open communication. “Among us researchers, we all know each other quite well,” says Schnorrenberg.

The company has performed several so-called “landmark” studies. The results of one study, known as UPLIFT, for example, one of four large-scale studies conducted in 2008, demonstrated the effectiveness and safety of a drug called Spiriva in about 6,000 patients with respiratory disease.

Because the company is privately owned, “we are able to invest in mega trials without any concerns about how Wall Street will react,” says David Nunemberger, senior vice president, human resources at Boehringer Ingelheim Pharmaceuticals, the company's US affiliate. “We have no public stock, so we can maintain a long-term view. We can invest in large, sometimes long, trials to get the data we need.” continued »
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Valuing Employees

In addition to a commitment to research and little hierarchy, other characteristics common to companies in the list of top 20 employers include respecting employees and having loyal employees.

“We have roundtable discussions where executives, including our CEO, meet with a random group of 10 employees at a time and openly respond to whatever the employees want to talk about,” says Craig Schneier, executive vice president of human resources at Biogen Idec. “They are very candid exchanges.”

A company of about 4,700 employees, Biogen Idec has been conducting these roundtable discussions for several years, tapping about a thousand employees every year. “Our employees express a lot of confidence and support for leadership and part of the reason is that we actively communicate with them,” says Schneier.

Another important criterion for employers is working for a company with values that are aligned to the employee’s own. At Johnson & Johnson the values that guide decision making are spelled out in the company’s Credo, according to Anuk Das, assistant director of immunobiology at Centocor R&D, a Philadelphia-based subsidiary of Johnson & Johnson.

Robert Wood Johnson, former chairman from 1932 to 1963 and a member of the company’s founding family, crafted the Credo in 1943, just before Johnson & Johnson became a publicly traded company. “What is impressive is that the Credo is still carried out today,” says Das.

Johnson & Johnson's Credo lists the company's four priorities in order of importance: patients and their families, employees, communities, and stockholders. “For me my loyalty for Johnson & Johnson comes from the Credo and the demonstration that our leaders use it as a guide to make decisions,” says Das.

Mergers and Acquisitions

It may be challenging for a company to do right by its employees at the time of a merger or acquisition. Such steps are often accompanied by layoffs, in some cases leading to the loss of thousands of jobs. On the upside, survey respondents pointed out that mergers can provide a company with access to a pipeline of new products and the chance to cut costs, ultimately benefiting employees.

This year has seen many high-profile mergers and acquisitions. In January 2009 New York-based Pfizer, maker of the blockbuster drug Lipitor, which loses patent protection in November 2011, announced plans to buy Wyeth. In March, Merck & Co. bought Schering-Plough Corporation (both companies made the list of top employers at positions 16 and 7, respectively).

In March 2009 Genentech became a wholly owned member of the Roche group, headquartered in Basel, Switzerland. Under the new organizational structure, Genentech Research and Early Development program, dubbed gRED, which essentially comprises basic research up to Phase 2 clinical trials, will maintain its autonomy. “The leadership at Roche knew the strength of our research program and wanted to maintain what we had developed here,” says Tessier-Lavigne. “They have left us independent, so we have been able to maintain our research culture without missing a beat.”

The merger did of course cause some changes. Arthur Levinson, Genentech’s former chair and CEO, and Susan Desmond-Hellmann, former president of product development, both left the company. (In May 2009, Desmond-Hellmann was named chancellor of the University of California, San Francisco.) But as far as Genentech’s research focus and unique culture—which includes a vibrant postdoctoral program as well as free cappuccinos and Friday evening parties—are concerned, those will not change, says Tessier-Lavigne. “We have maintained our momentum throughout the merger and now we are moving on the next exciting chapter in our company,” he says.

Is a smooth takeover really possible? Apparently yes, according to Joe Bolen, chief scientific officer at Millennium. Established in 1993 as a genomics company, Millennium has since grown into a fully integrated biopharmaceutical company. In May 2008 the company was acquired by Takeda Pharmaceutical Company Limited, the largest pharmaceutical company in Japan. Millennium, now renamed Millennium: The Takeda Oncology Company, operates as an independent subsidiary serving as Takeda's global center of excellence in oncology.

Under Takeda, Millennium has been involved in a larger number of clinical trials and has been testing new compounds obtained from its parent company. “But the philosophy of the earlier research and development has not changed,” says Bolen. “We worked hard when Millennium was first set up to figure out the best things to do. We worked out procedures to make early-phase research as seamless as could be. Under Takeda, we were able to continue the same processes and maintain our culture and focus.”

The strategy appears to be paying off. In April 2009 the company published an article describing a new molecule that modulates the levels of proteins critical to the regulation of cancer cell growth and survival. The compound has now moved forward to Phase 1 studies. continued »
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“We were reassured we would maintain our identity and independence and I am happy to say that the president of Takeda, Yasuchika Hasegawa, kept his word and allowed us to flourish,” says Bolen. “Most takeovers are not happy, but this is an acquisition that will be a success story.” Perhaps that is why, after the acquisition, Millennium has moved to fifth place in the top employers survey, up from No. 8 in 2008 and 13 in 2007.

**Innovation Through Collaboration**

Some companies have made it part of their mission to keep away from mergers and acquisitions. “We are a very independent company and always plan to be that way,” says Rich Gregory, Genzyme’s senior vice president and head of research. “The acquisitions within the pharma industry are symptomatic of many companies with relatively weak pipelines that are acquiring innovation by consolidating with larger companies to reduce expenses.” But Genzyme has taken the approach to invest in research internally, as well as establishing numerous collaborations with other companies and academic researchers, explains Gregory.

For example a collaboration between Genzyme and PTC Therapeutics led to experimental new drugs with potential to address many devastating genetic diseases, including Duchenne muscular dystrophy and cystic fibrosis. “Those drugs are based on an entirely novel technology that we acquired through collaboration,” says Gregory.

Being able to acquire new technologies, as well as becoming more innovative internally by venturing into new research areas, such as stem cell and gene therapy research, have allowed Genzyme to maintain its edge. “We evolve constantly. We are not a static company, but will change as the business changes,” says Gregory. “At the same time, our employees value working for a stable company.”

Indeed a common theme for employees at top-tier biotechnology or pharmaceutical companies is the opportunity to collaborate with a wide range of researchers from different backgrounds and get exposed to different technologies and fields of research. “We are constantly innovating. It is probably a lot more fun for employees,” says Gregory.

**Stable Environments**

Boehringer Ingelheim, a privately held company, is among the ones committed to independence. “You have to find the right balance between continuity and change. We see the necessity to change and to adapt to future challenges,” says Schnorrenberg. “One way to cope is not to merge, but to collaborate with academic labs and startups.”

The strategy has helped the company be financially successful, according to Schnorrenberg. “We increased our R&D budget by 22 percent in 2008. Not too many companies have been able to do that,” he says. “Part of the reason is that we have not been saddled with all the costs that go with mergers and acquisitions.”

The strategy is also reassuring to employees. “Our employees are not worried about the company being acquired; that is a really important facet of working for Boehringer Ingelheim,” says Nurnberger. “We receive many applications from people from other companies who complain about constant changes in direction and management. We are attractive to talented individuals looking for a stimulating work environment in a privately owned company.”

This year’s survey identified that there were slightly more job seekers in the market (30 percent compared to 27 percent in 2008). Fewer people this year were looking for a new job for career advancement than last year, but more are moving because of “company direction” and for reasons related to mergers and acquisitions or expected layoffs that were taking place at the survey taker’s company.

**Working for the Greater Good**

Job insecurity due to mergers and acquisitions, as well as some re-prioritization and downsizing due to the global economic meltdown, was identified as one of the two disadvantages of working in the biotech and pharmaceutical industry by survey takers. The other disadvantage is the negative public image perception due to withdrawn products and safety issues.

“Any time you are dealing with powerful medicines, you have the potential issue of safety. As a company we make sure we do everything above board and carefully,” says Biogen Idec’s Schneier. “Employees want to know that the company they work for is ethical and transparent and has done all the right things.”

But survey participants identified many advantages of working for the biotech and pharmaceutical industry. They include engaging work and being part of cutting-edge research and development; innovative, creative, and fast-paced work; and stability in difficult economic times, including generous salaries, benefits, and job security.

And despite all the challenges, one of the main advantages of working in this industry is its mission: advancing the health of people and working for the greater good. “What I focus on is the reason why I chose to be a scientist,” says Johnson & Johnson’s Das. “I wanted to develop medicines to treat diseases. That is my focus. There are still many diseases with no cure.”

And for those interested in doing this kind of research, there may not be a better time than the present. “I wish I was 20–30 years younger and getting into this business now,” says Millennium’s Bolen. “I look at the contributions that scientists in industry are making. The quality of science in biotech and pharma is world class and much is done in collaboration with academic labs. There is a high level of excitement in the scientific world.”
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Tenure Track/Tenured Positions
In Systems Biology

The NIH Intramural Research Program (IRP) is recruiting outstanding systems biologists at the tenure-track or tenured levels. These individuals will direct independent research programs on the NIH campus in Bethesda, MD and participate in a Trans-NIH Initiative in Systems Biology promoting interaction between experimentalists, theoreticians and computational investigators. Candidates will have demonstrated an ability to conduct outstanding independent biomedical research on key topics in systems biology such as computational modeling of biological processes at various scales, analysis of global datasets, construction and analysis of biological networks, and 'omic' scale interrogation of biological systems. The internationally recognized NIH faculty covers a wide range of basic and clinical research topics with a growing strength, support and emphasis on systems biology and informatic approaches to biomedicine.

The NIH IRP promotes creative and innovative science unconstrained by the conventional support mechanisms demanded at academic or private research institutes. Investigators have ready access to and support from state-of-the-art experimental and computational cores and facilities, and a variety of programs to recruit graduate students and post-doctoral fellows.

Candidates must have an M.D. and/or Ph.D., or equivalent doctoral degree, and an outstanding record of research accomplishment and peer-reviewed publications. Recruits will be provided a competitive salary commensurate with experience and qualifications, and will be assigned ample research space, supported positions, operating budget, and start-up funds. Appointees may be US citizens, resident aliens, or eligible foreign nationals. Review of applications will commence on Nov. 1, 2009 and continue until the positions are filled. Please submit a curriculum vitae, brief (not to exceed 3 pages) statement of research interests that includes how you see your research group helping to create a world-class, integrated systems biology effort at NIH, and three letters of reference in .pdf or MS word format only (no paper applications will be accepted) to: http://tenuretrack.nih.gov/apply/

Fellowship in Bioinformatics:
Analysis of Next Generation Sequencing Data

The Oncogenomics Section of the Pediatric Oncology Branch, at the Center for Cancer Research, National Cancer Institute has a position in bioinformatics available immediately. Ongoing research efforts involve genomic approaches to the investigation of Pediatric Solid Tumors using next generation sequencing techniques. The candidate will work on identifying genomic alterations that are associated with disease progression and poor prognosis using sequence based analysis as well as the identification of biologically and clinically relevant Single Nucleotide Variants or mutations. Candidate should be a US citizen or a Permanent Resident, hold a Ph.D. or M.D. and have an interest in Oncology as well as experience in genomics or sequencing data analysis. Candidates should have less than 2 year post-doctoral experience.

Correspondence, names of references and CV should be sent to Dr. Javed Khan, Advanced Technology Center, National Cancer Institute, Room 225B, 8717 Grovemont Circle, Gaithersburg, MD 20877, or via email at khanjav@mail.nih.gov.
Tenure-Track/Tenured Investigator
Laboratory of Immunology

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 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 Muljo, 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 A222, Bethesda, MD 20892-1356. E-mail 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/sti.
2010 POSTDOCTORAL FELLOWSHIP PROGRAM

Founded in 1987 and supported by the David and Lucile Packard Foundation, the Monterey Bay Aquarium Research Institute (MBARI) is a non-profit oceanographic research institute, dedicated to the development of state-of-the-art instrumentation, systems, and methods for scientific research in the oceans. MBARI's research center includes science and engineering laboratories, as well as an operations facility to support our research vessels and oceanographic equipment, including remotely operated and autonomous underwater vehicles. Located in Moss Landing, California, the heart of the nation's largest marine sanctuary, MBARI places a balanced emphasis on science and engineering, with established programs in marine robotics, ocean physics, chemistry, geology, and biology, as well as information management and ocean instrumentation research and development.

MBARI invites applications each year for several postdoctoral fellowships in the fields of biological, chemical, and physical oceanography, marine geology, and ocean engineering. Fellowships may require occasional trips to sea. Awards are typically for two years.

Candidates must be awarded their Ph.D. degree prior to commencing the two-year appointment between September 2010 and March 2011.

Applicants are encouraged to communicate with potential research sponsors at MBARI for guidance on project feasibility, relevance to ongoing MBARI research, and resource availability (http://www.mbari.org/about/postdoc mentors.html).

Application deadline: Friday, December 11, 2009

Selected candidates will be contacted in early March 2010.

Application requirements:
1. Curriculum vitae
2. At least three professional letters of recommendation
3. Succinct statement of the applicant's doctoral research
4. Potential research goals at MBARI
5. Supplemental Information online form (http://www.mbari.org/oed/jobs/forms/postdoc_form_2010.htm)

Competitive compensation and benefits package. MBARI considers all applicants for employment without regard to race, color, religion, sex, national origin, disability, or veteran status.

Address your application materials to:
MBARI, Human Resources
Job code: Postdocs-2010
7700 Sandholdt Road, Moss Landing, CA 95039-9644
Submit by e-mail to jobs_postdocs@mbari.org (preferred), by mail, or fax to (831) 775-1620.

EOE • MBARI Welcomes Diversity

Assistant Professor
Department of Biology

The Program of Women’s Studies and the Department of Biology at Denison University invite applications for a new tenure track position beginning fall 2010. A Ph.D. by summer 2010 is required; a strong potential for excellence in teaching and a productive research program are essential. Both discipline and area of specialization are open but we are especially interested in candidates who can analyze the intersection of race and/or gender as it relates to biology or medicine. Teaching responsibilities include introductory courses in both Biology and Women’s Studies, and advanced courses reflecting both the candidate’s expertise and the needs of the Department and Program.

Denison University is a selective and nationally ranked residential liberal arts college located in Granville, OH, 25 miles east of the Columbus metropolitan area. The Women’s Studies Program is an interdisciplinary academic program examining gender as it is mediated by ethnicity, race, class and sexual identity. The Department of Biology has 12 full-time faculty members who represent a wide range of specialty areas. The college offers competitive start-up funds, summer support for student and faculty research, and a junior faculty leave. See our websites: http://www.denison.edu/academics/departments/biology/index.html and http://www.denison.edu/academics/departments/womensstudies/about.html for more detailed descriptions of the position and the programs.

Applicants should submit electronic application materials online at https://employment.denison.edu: a cover letter addressing their motivations for teaching at a small, residential college that values quality interactions between faculty and students; separate statements of (1) teaching philosophy with brief descriptions of proposed advanced courses, (2) research interests and future plans, and (3) potential to foster and support diversity among our students, faculty, and community; curriculum vitae; copies of transcripts (graduate and undergraduate); and three reference letters. Review of applications will begin November 20, 2009 and continue until the position is filled. In a continuing effort to diversify our campus community, we actively encourage applications from people of color, women, veterans, people of diverse sexual identities/orientations, and others who may contribute positively to the diversification of ideas and perspectives. For additional information and resources about diversity at Denison, please see our Diversity Guide at http://www.denison.edu/offices/humanresources/diversity%20guide%200910.pdf.

Denison is an Affirmative Action/Equal Opportunity Employer.
Group Leader Positions in Neurobiology

We invite applications for group leader positions in neurobiology at the IMP, Vienna.

The IMP is one of the world’s leading basic research institutes in the molecular life sciences and aims to further strengthen its growing neuroscience community. Researchers at the IMP conduct curiosity-driven research across a broad range of topics, which also include cell and developmental biology, immunology, cancer research and structural and computational biology.

We aim to recruit group leaders with a strong and innovative research programme in any area of neuroscience, with a particular emphasis in molecular genetic approaches to neural circuits, behaviour or disease.

The IMP offers internationally competitive salaries, generous funds for positions, investments, and running costs, and full access to outstanding core services – including mass spectrometry, biooptics, DNA sequencing, deep sequencing, bioinformatics, electron microscopy, histology, and a 2000 m² mouse house with institute core funding of all mouse costs. PhD students are recruited through the VBC international PhD programme, one of the most competitive graduate programmes in Europe.

Applications, including a CV, a summary of scientific achievements and future research plans, and the contact details for 3 referees, should be submitted electronically to neuro@imp.ac.at by November 30, 2009.

The IMP is an equal opportunity employer. Child-care facilities are available. The IMP is home to scientists of over 30 different nationalities. Vienna offers high living standards in a lively multi-cultural city which consistently ranks in the top five cities worldwide for the quality of living. For further information about the IMP see our website: www.imp.ac.at

Oak Ridge National Laboratory has spent the last decade investing billions in scientific infrastructure mapped to the most exciting and urgent science in the world—climate change, alternative energy, advanced materials, energy efficiency, carbon emissions reduction, national security, neutron science, bioinformatics and high-performance computing. The unmatched caliber of the Lab’s facilities gives our researchers and the user community the opportunity to conduct the most important science of their careers. Add in favorable cost-of-living, outstanding schools, outdoor activities and the cultural amenities of nearby Oak Ridge and Knoxville, Tennessee, and Oak Ridge National Laboratory is the clear career choice for today’s best research scientists and engineers.
INTERNATIONAL RECRUITMENT
(Bonn, Germany)
United Nations University Institute for Environment and Human Security
(UNU-EHS)
VICE-RECTOR IN EUROPE/DIRECTOR, UNU-EHS
(circa: USD159,014 – USD173,089 p.a.)

UNU-EHS undertakes research, advanced training and dissemination of knowledge on the impact on human vulnerability of natural disasters influenced by global environmental change and human activities, aiming to build policy-relevant knowledge about the consequences of societal and cultural vulnerability, both in developed and developing countries where researches and postgraduate education activities are carried out by staff researchers and visiting scholars and through networks of cooperating institutions and scholars. For detailed information on UNU-EHS and its programmes, please visit www.ehs.unu.edu.

We are seeking high calibre candidates for the above post where the successful incumbent will be under the authority of the Rector and be a fully integrated member of the management team of UNU. The incumbent will work in close cooperation with the Rector to initiate, stimulate and coordinate new and existing activities of the UNU, including institutes, networks, associated institutes, programmes and projects whilst ensuring coherence of UNU academic activities. The incumbent will also serve as the Director of UNU-EHS to spearhead research capacity, development and policy-relevant advisory activities relating to the broad interdisciplinary field of ‘risk and vulnerability’.

Candidates should have a Ph.D. relevant to climate change and hazard risk and vulnerability with minimum 15 years of proven management experience at senior level in an academic or research institution, strong background or research and publications in areas related to UNU-EHS’ interests. Successful track-record in fund-raising and donor relations will be advantageous. Fluency in English is required; working knowledge of German or one or more official languages of the United Nations is desirable.

Interested applicants are encouraged to submit their applications preferably by email to viedehsapp@unu.edu before the application closing date of 15 November 2009. All applications must be submitted with UNU P.11 form (available in our website) with a covering letter setting out how qualifications and experience match the requirements of the position. Please visit http://unu.edu/employment/ for full details of the position and how to apply.

ASSISTANT/ASSOCIATE PROFESSOR
Department of Biochemistry & Molecular Biology

We seek applications to fill two tenure-track positions at either the ASSISTANT or ASSOCIATE PROFESSOR level from individuals studying fundamental biological processes at a molecular level. The successful applicants will be expected to develop well-funded research programs and to contribute to graduate and medical teaching. We offer a highly competitive startup package and salary.

Further information about the Department can be found at website: http://www.upstate.edu/biochem. Candidates should have a Ph.D. or equivalent, postdoctoral experience, and a strong publication record. Applicants should e-mail a PDF file containing curriculum vitae, a summary of research accomplishments, and future research plans to e-mail: biochem@upstate.edu. In addition, three letters of reference should be mailed directly to: Dr. Patricia M. Kane, Chair, Department of Biochemistry and Molecular Biology, 750 East Adams Street, Syracuse, NY 13210.

Review of applications will begin in mid-October 2009, and continue until the positions are filled.

UNIVERSITY OF MISSOURI-KANSAS CITY
School of Biological Sciences

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.

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: mbbssearch@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 be 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.
The University of Delaware 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.
AMERICAN SOCIETY FOR MICROBIOLOGY
COORDINATING CENTER FOR INFECTIOUS DISEASES

2010 POSTDOCTORAL RESEARCH FELLOWSHIP PROGRAM

Up to ten fellowship positions will be awarded by the American Society for Microbiology for full-time research in infectious diseases, which cause significant public health problems. Fellows will perform research in residence at one of the Centers for Disease Control and Prevention (CDC) locations in Atlanta, GA, Fort Collins, CO, Anchorage, AK, or San Juan, Puerto Rico.

Eligible fields of study include:
- Bacterial and Mycotic Diseases
- Viral and Rickettsial Infections
- Nosocomial Infections
- HIV/AIDS
- Vector-borne Infectious Diseases
- Parasitic Diseases

The fellowship positions are limited to individuals who either earned their doctorate degree (Ph.D., Sc.D., M.D., D.V.M., or D.D.S.) or have completed a primary residency within three years of their proposed start date. Consideration will be given to individuals with more experience if there are compelling reasons for doing so, such as postgraduate subspecialty training or national service. Qualified applicants will receive consideration without regard to race, creed, color, age, sex, or national origin. Diversity among fellows is encouraged. The program provides an annual stipend for two eligible applicants will receive consideration without regard to race, creed, color, age, sex, or national origin. Diversity among fellows is encouraged. The program provides an annual stipend for two years, health care benefits package up to $3,000 annually, relocation benefits up to $500, and up to 3 years of postdoctoral experience required. Direct questions to Search Committee Chair, H.C.J. Ertl, M.D. (erl@wistar.org).

Submit applications before December 15, 2009. We provide a highly interactive environment with collaborative opportunities and excellent core facilities in proteomics, genomics, sequencing, high-throughput screening, vector development, flow cytometry, microscopy and bioinformatics.

Include a curriculum vitae, a brief summary of past and future research interests, history of research funding support (if applicable), and the names of at least three references. Applications should be sent by e-mail to: Maria Colelli (colelli@wistar.org) or to The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104.

We offer an excellent benefits package, including tuition assistance. EOE/AA/M/F/D/V.

For more information about us, visit our Web site at www.wistar.org.

R Nhân sự phỏng vấn

The Wistar Institute, an independent Non-Profit Research Institute located on the campus of the University of Pennsylvania, invites applications for faculty positions at the Assistant/Associate Professor level with our Immunology Program and the Vaccine Center.

Candidates are expected to develop strong, innovative projects in viral/tumor immunology. Priority will be given to individuals with interest in pre-clinical aspects of viral vaccine development or in tumor immunology using mouse models or patient samples. Institute cores to support these studies can be reviewed at www.wistar.org.

Applicants are being sought for a tenure-track faculty position in the Department of Developmental Biology at Washington University School of Medicine. The successful candidate will have a strong interest in the immunobiology of host-pathogen interactions. Applicants are not restricted to the class of pathogen studied, but research programs should emphasize infection-induced responses in vertebrate hosts and may include topics such as imaging the immune response, vaccine design, neuroimmunology, and mucosal immunity. The successful candidate will have the opportunity to collaborate with members of the Department, who have a strong combined expertise in virology, bacteriology, parasitology, and immunology, as well as a large number of microbiologists and immunologists that are part of the biomedical community at Penn.

The chosen individual will be expected to establish and maintain an independent, extramurally funded research program and participate in the teaching of veterinary and graduate students. Candidates must hold a Ph.D., M.D., D.V.M., or an equivalent degree and have sufficient post-doctoral experience to demonstrate both significant accomplishments and outstanding promise. We anticipate this appointment will be at the Assistant Professor level, but may be considered for more senior positions.

By November 15, 2009, all interested individuals should forward, as single pdf files, their cover letter, curriculum vitae, and three references. The University of Pennsylvania is an Equal Opportunity, Affirmative Action Employer. Women and minority candidates are encouraged to apply.

The University of Pennsylvania is an Equal Opportunity, Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.

Washington University School of Medicine

Tenure Track Faculty Positions in Developmental/Regenerative Biology

The Department of Developmental Biology at Washington University School of Medicine is undergoing a major expansion and is recruiting outstanding scientists interested in developing innovative, independent research programs in developmental or regenerative biology. The research interests of the present faculty in the Department of Developmental Biology are diverse, and exploit a variety of model organisms including C. elegans, D. melanogaster, Xenopus, zebrafish and mouse (http://DevBio.wustl.edu). Applications will be accepted from individuals holding the Ph.D., M.D., or M.D./Ph.D. degrees and having relevant postdoctoral training. Appointments will be made at the level of Assistant or Associate Professor on the tenure track.

Interested individuals should send a letter of interest, curriculum vitae and summary of research accomplishments and plans (in a single pdf file) by December 1, 2009 to:

Search Committee (c/o Lianna Solnica-Krezel, Chair)
Department of Developmental Biology
Washington University School of Medicine
660 South Euclid Avenue, Campus Box 8103
St. Louis, MO 63110
Email: devbiosearch@wustl.edu

Applicants should also arrange to have three letters of recommendation (pdf files) sent to devbiosearch@wustl.edu.

Washington University is an Equal Opportunity Employer
AA/EOE M/F/D/V.

Penn Veterinary Medicine

INFECTION DISEASE FACULTY POSITION

Applications are being sought for a tenure-track faculty position in the Department of Pathobiology, University of Pennsylvania School of Veterinary Medicine. The successful candidate will have a strong interest in the immunobiology of host-pathogen interactions. Applicants are not restricted to the class of pathogen studied, but research programs should emphasize infection-induced responses in vertebrate hosts and may include topics such as imaging the immune response, vaccine design, neuroimmunology, and mucosal immunity. The successful candidate will have the opportunity to collaborate with members of the Department, who have a strong combined expertise in virology, bacteriology, parasitology, and immunology, as well as a large number of microbiologists and immunologists that are part of the biomedical community at Penn.

The chosen individual will be expected to establish and maintain an independent, extramurally funded research program and participate in the teaching of veterinary and graduate students. Candidates must hold a Ph.D., M.D., D.V.M., or an equivalent degree and have sufficient post-doctoral experience to demonstrate both significant accomplishments and outstanding promise. We anticipate this appointment will be at the Assistant Professor level, but may be considered for more senior positions.

By November 15, 2009, all interested individuals should forward, as single pdf files, their cover letter, curriculum vitae, and three references. The University of Pennsylvania is an Equal Opportunity, Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.
The Program in Cellular and Molecular Medicine at Children’s Hospital Boston in partnership with the Department of Biological Chemistry and Molecular Pharmacology (BCMP) at Harvard Medical School is recruiting tenure track faculty at the rank of Assistant Professor. Our Program (also known as the Immune Disease Institute) is highly interactive and offers outstanding opportunities for collaboration and technical support. The successful candidate will be offered a competitive start-up package. He/she will direct an independent research laboratory and his/her work will complement and enhance the efforts of our distinguished faculty in cell biology, immunology, inflammation, vascular biology, infectious disease and cancer. This is part of a major initiative in structural biology involving several recruits, space in a new building on Longwood Avenue, and substantial new funding.

We are seeking a candidate who integrates macromolecular structure and biological function, especially someone who works on fundamental problems involving signal transmission in extracellular and cytoplasmic environments and across cell membranes. Approaches using molecular dynamics and spectroscopy, protein structure prediction and design, X-ray crystallography, electron microscopy, single molecule studies, and innovative light microscopy will be of special interest. The structural biology initiative will be able to draw on available resources at Children’s Hospital and the HMS Center for Molecular and Cellular Dynamics (CMCD).

Please forward a cover letter requesting consideration by the search committee, curriculum vitae, reprints of key publications, letters separately sent from three referees, and a two-page statement of research interests including previous contributions and future research plans, no later than January 15, 2010 to: Timothy A. Springer and Stephen C. Harrison, Search Chairs, 3 Blackfan Circle – room 3103, Boston, MA 02115; recruitment@idi.harvard.edu.

Children’s Hospital Boston and Harvard Medical School are Affirmative Action/Equal Opportunity Employers. Women and minority candidates are strongly encouraged to apply.

Max Planck Gesellschaft
Max Planck Society

Selbstständige Nachwuchsgruppen
Max Planck Research Groups

The Max Planck Society invites applications from outstanding young scientists in all fields of research pursued by the Max Planck Society (Biology and Medicine; Chemistry, Physics and Technology; Humanities, Social Sciences and Law).

We also explicitly encourage applications from candidates with an interdisciplinary background.

The successful candidates will be offered a Max Planck Research Group Leader position for a period of five years (W2; equivalent to associate professor level) including a five-year grant (research positions, budget, investments) at a Max Planck Institute of their choice.

Applications should include a CV, a list of publications, copies of three publications, a one-page summary of scientific achievements, and a two-page research plan.

For further information and detailed application instructions see

http://www.mprg.mpg.de

The Max Planck Society has established a tenure track policy for new leaders of Max Planck Research Groups; more details are available on the website above.

The Max Planck Society is committed to equal opportunities and to employing individuals with disabilities.

The deadline for application is November 17, 2009.

Group Leader Positions in Molecular and Cellular Biology

We invite applications for group leader positions in molecular and cellular biology at the IMP, Vienna.

The IMP is one of the world’s leading basic research institutes in the molecular life sciences with a strong tradition in molecular and cellular biology. Researchers at the IMP conduct curiosity-driven research across a broad range of topics, which include cell and developmental biology, immunology, cancer research, neurobiology and structural and computational biology. We aim to recruit group leaders with a strong and innovative research programme in the area of molecular and cellular biology including biooptical, biochemical, genetic and structural approaches.

The IMP offers internationally competitive salaries, generous funds for positions, investments, and running costs, and full access to outstanding core services – including mass spectrometry, biooptics, DNA sequencing, deep sequencing, bioinformatics, electron microscopy, histology, and a 2000m² mouse house with institute core funding of all mouse costs. PhD students are recruited through the VBC international PhD programme, one of the most competitive graduate programmes in Europe.

Applications, including a CV, a summary of scientific achievements and future research plans, and the contact details for 3 referees, should be submitted electronically to mcb@imp.ac.at by November 30, 2009.

The IMP is an equal opportunity employer. Child-care facilities are available. The IMP is home to scientists of over 30 different nationalities. Vienna offers high living standards in a lively multi-cultural city which consistently ranks in the top five cities worldwide for the quality of living. For further information about the IMP see our website: www.imp.ac.at
Research in product development

The World Health Organization (WHO) is the United Nation’s specialized agency for health. The WHO’s Polio Eradication Initiative is seeking to recruit a Technical Officer responsible for product development within its Research and Product Development team.

Applicants must have a doctoral degree in a health-related field (medicine, biology, pharmacology, etc.) with at least 10 years of professional experience successfully managing complex projects involving multiple partners across varied sectors. Knowledge of regulatory approval processes is essential. Please, visit:

http://www.who.int/employment referring to vacancy notice HQ/09/HQ/POL/FT622

World Health Organization

Deadline for applications: 24 October 2009. WHO is a non-smoking environment.

THE CHINESE UNIVERSITY OF HONG KONG

Applications are invited for:-

Department of Physics

Associate Professor(s) / Assistant Professor(s) / Research Assistant Professor(s)

(Ref: 0910032/6653/2)

Applications are invited for the above faculty position(s) in physics and materials science. Applicants should have a relevant PhD degree with postdoctoral research experience. A demonstrated record of research accomplishments is highly preferred. The appointee(s) are expected to develop his/her independent research programme and show strong leadership. Appointee(s) with at least two years postdoctoral experience and a record of strong peer-reviewed publications shall be given priority. A demonstrated record of research accomplishments is highly preferred. The appointee(s) are expected to develop his/her independent research programme and show strong leadership.

Applications are invited for the above faculty position(s) in physics and materials science. Applicants should have a relevant PhD degree with postdoctoral research experience. A demonstrated record of research accomplishments is highly preferred. The appointee(s) are expected to develop his/her independent research programme and show strong leadership. Appointee(s) with at least two years postdoctoral experience and a record of strong peer-reviewed publications shall be given priority. A demonstrated record of research accomplishments is highly preferred. The appointee(s) are expected to develop his/her independent research programme and show strong leadership.

Salaries will be highly competitive, commensurate with qualifications and experience. The University offers a comprehensive fringe benefit package, including medical care, a pension scheme, and housing benefits for eligible appointees. Further information about the University and the general terms of service for appointments is available at http://www.cuhk.edu.hk/personnel. The terms mentioned herein are for reference only and are subject to revision by the University.

Application Procedure

Please send full resume, copies of academic credentials, a publication list and/or abstracts of selected published papers, together with names, addresses and fax numbers/e-mail addresses of three referees to whom the applicants’ consent has been given for their providing references (unless otherwise specified), to Professor Hai-Qing Lin, Chairman, Department of Physics, The Chinese University of Hong Kong, Shatin, Hong Kong. (fax: (852) 2603 3204). The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark ‘Application - Confidential’ on cover.

FACULTY POSITION IN MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY

University of Colorado at Boulder

The Department of MCD Biology invites applications for a tenure-track Assistant Professor in the area of molecular, cellular or developmental biology with an emphasis on basic molecular biological problems with human health implications. Applicants must have a Ph.D., M.D., or equivalent; and postdoctoral research experience. The candidate is expected to develop a vigorous and innovative research program, and have enthusiasm for teaching at the undergraduate and graduate levels.

Review of applications will begin on November 1, 2009 and continue until the position is filled. Application materials are accepted electronically at https://www.jobsatcu.com, posting number 807547. Applicants should submit a curriculum vitae and a concise statement of research and teaching interests, and arrange to have three reference letters sent.

For questions or concerns on submitting your materials electronically, please contact MCDBSRCH@Colorado.edu.

See www.colorado.edu/ArtsSciences/JOBS/ for full job description.

The University of Colorado at Boulder is committed to diversity and equality in education and employment.

WISTAR INSTITUTE FACULTY POSITIONS

Genomics & Computational Biology

The Wistar Institute, an independent, non-profit research institute and NCI-designated Cancer Center, is inviting applications for two Assistant/Associate Professor-level faculty positions within the Center for Systems and Computational Biology (CSCB).

Computational Biology: Candidates will develop a strong computationally intensive research program to address problems in one of the following areas: systems biology of cancer; computational modeling of tumor growth and invasion, or multi-scale modeling of protein-protein interactions. Exceptionally strong candidates in other computational biology areas will also be considered.

Genomics of Cancer: Candidates should have experience applying genomic approaches to problems in cancer, gene regulation and cancer-related systems, including the use of microarrays, deep sequencing and high throughput screening technologies.

Interested members will be provided additional opportunities for access to academic and clinical collaborators, as well as for training graduate students.

The Cancer Center provides excellent core facilities in proteomics, genomics, next-gen sequencing, high-throughput screening and bioinformatics in a highly collaborative environment. The University of Pennsylvania and Drexel University campuses provide additional opportunities for research and teaching interests, and employment.

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For more information about us, visit our Web site at www.wistar.org.

An NCI-designated Cancer Center

For more information about us, visit our Web site at www.wistar.org
Group Leader Positions in Mouse Genetics

We invite applications for group leader positions in mouse genetics at the IMP, Vienna.

The IMP is one of the world’s leading basic research institutes in the molecular life sciences with a strong tradition in mouse genetics. Researchers at the IMP conduct curiosity-driven research across a broad range of topics, which include cell and developmental biology, immunology, cancer research, neurobiology, structural and computational biology.

We aim to recruit group leaders with a strong and innovative research programme in the area of mouse genetics including disease models and stem cell biology.

The IMP offers internationally competitive salaries, generous funds for positions, investments, and running costs, and full access to outstanding core services – including mass spectrometry, biooptics, DNA sequencing, deep sequencing, bioinformatics, electron microscopy, histology, and a 2000m² mouse house with institute core funding of all mouse costs. PhD students are recruited through the VBC international PhD programme, one of the most competitive graduate programmes in Europe.

Applications, including a CV, a summary of scientific achievements and future research plans, and the contact details for 3 referees, should be submitted electronically to mousegenetics@imp.ac.at by November 30, 2009.

The IMP is an equal opportunity employer. Child-care facilities are available. The IMP is home to scientists of over 30 different nationalities. Vienna offers high living standards in a lively multi-cultural city which consistently ranks in the top five cities worldwide for the quality of living. For further information about the IMP see our website: www.imp.ac.at

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**Paul Gerson Unna Forschungsgruppen der Max-Planck-Gesellschaft**

Paul Gerson Unna Research Groups of the Max Planck Society

The Max Planck Society invites applications of outstanding young scientists in:

**Skin and hair follicle morphogenesis, molecular biology of the ageing skin, and related areas.**

Successful candidates will be offered a Max Planck Research Group position (W2; equivalent to associate professor level) for a period of five years with the possibility of extension. The offers include a five-year grant with research positions, budget, and investments.

The groups will be located at Max Planck Institutes in Germany, preferentially at the Max Planck Institute for Biochemistry, Martinsried, and the Max Planck Institute for the Biology of Ageing, Cologne.

Applications should include a CV, a list of publications, copies of three publications, a one-page summary of scientific achievements, and a two-page research plan. For further information and detailed application instructions see http://www.mpgr mpg.de

The Max Planck Society is committed to equal opportunities and to employing individuals with disabilities.

The deadline for application is November 17, 2009.
University of Connecticut
Department of Physiology and Neurobiology
Developmental Neurobiology Faculty Position

The Department of Physiology and Neurobiology at the University of Connecticut invites applications for an anticipated tenure track faculty position at the Assistant Professor level. This position will be partially supported by a competitive New Faculty Recruitment (P30) award from the National Institute of Neurological Diseases and Stroke, as part of the American Recovery and Reinvestment Act (ARRA). We seek individuals planning to establish an outstanding research program in Developmental and Regenerative Neurobiology. The successful candidate will receive dedicated lab space in a newly constructed building, and a generous start-up package to establish an active independent research program.

The candidate’s primary academic appointment, laboratory, and teaching responsibilities will be within the Department of Physiology and Neurobiology at the main campus in Storrs, and the new faculty member will be part of the Center for Regenerative Biology and Neurosciences Program. The University of Connecticut is a Research I public university and has campuses at Avery Point, Hartford, Stamford, Torrington, Waterbury, and West Hartford.

**Minimum Qualifications:** Ph.D or M.D. in related field and have completed at least two years of postdoctoral training.

**Preferred Qualifications:** Applicants with a research focus on fundamental molecular and cellular mechanisms in neural stem cell biology, cell fate determination, migration, axonal growth, synapse formation, or neural regeneration are preferred.

Review of applications will begin on October 5, 2009 and will continue until the position is filled. Send curriculum vitae, a brief summary of current research, a statement of teaching interests, and the names of at least three references to: Joseph LoTurco, Chair of PNB Search Committee, University of Connecticut, Department of Physiology and Neurobiology, Box U-3156, 75 North Eagleville Road, Storrs, CT 06269-3156; (Search #2010083); http://www.pnb.uconn.edu.

An Equal Opportunity Employer. Minority and women scientists are especially encouraged to apply.

Assistant or Associate Professor of Neurobiology

Developmental Neurobiology Program
Institute of Molecular Medicine and Genetics
Medical College of Georgia

The Medical College of Georgia (MCG) invites applications for several Assistant or Associate Professor positions (tenure-track or tenured) in the Program in Developmental Neurobiology, Institute of Molecular Medicine and Genetics. Candidates should have a PhD or MD; postdoctoral experience; interests in neural development, synaptic plasticity, or neurological and psychiatric diseases; and a strong record of research accomplishment. Faculty members are expected to establish or have creative, cutting edge research programs and participate in teaching medical and graduate students. MGC is a state supported academic medical center located in a historic city with outstanding recreational and lifestyle opportunities.

Please submit a CV, a statement of current and future research interests, and names and contact information for three references to: Dr. Darrell Brann, c/o Deenie Cerasuolo (dcerasu@mcg.edu).

Applications will be received until the positions are filled. Please reference ACH#49384/49385 when applying.

EEO/AA/Equal Access Employer.

City of Hope

Assistant/Associate Professor

The Beckman Research Institute of the City of Hope is seeking applications from scientists to join the newly formed Department of Cancer Biology. The Department consists of 10-12 faculty members with broad research interests in cancer biology including DNA repair, epigenetics, and cellular signaling pathways. The successful candidate will have a PhD or equivalent degree, significant research experience, an excellent publication record in cancer research, and a high potential for conducting novel and independent research of the highest standard. City of Hope provides an outstanding environment to conduct high-quality research. There are many opportunities for collaboration with clinical and translational investigators, as well as opportunities for training and teaching of graduate students.

The selected applicant will be expected to develop a vigorous, extramurally funded research program that will complement and advance existing research activities at City of Hope. Rank at the Assistant or Associate Professor will be determined according to the applicant’s track record.

A competitive start-up package will be provided. To apply, please go to http://www.cityofhope.org/about/careers/how-to-apply/Pages/default.aspx. Applicants should submit curriculum vitae, a statement of research interests and plans, and the names, addresses and telephone numbers of at least three references (who may, optionally, submit their letters).

City of Hope, a non-profit research and educational institution, and an NCI-designated Comprehensive Cancer Center, is located 25 miles northeast of Los Angeles. City of Hope offers a competitive salary and benefits package.

City of Hope is an Affirmative Action/Equal Opportunity Employer.

Penn

TENURE-TRACK FACULTY POSITION IN EVOLUTIONARY BIOLOGY

The Department of Biology at the University of Pennsylvania invites applications for a tenure-track position in evolutionary biology. We anticipate hiring at the Assistant Professor level, but highly qualified senior applicants will also be considered. We seek an integrative scientist who uses modern approaches to elucidate evolutionary processes, broadly defined. Areas of interest include, but are not limited to, evolutionary and ecological genetics and genomics, evolution of behavior, evolution of development, evolution of complex traits (including morphological and physiological traits), and evolution of epigenetic mechanisms.

We are open to applications from scientists studying any organism and at any level of biological organization. The ideal applicant will show strong potential for interaction across the diverse disciplines represented in the Department. Apply at: facultyssearches.provost.upenn.edu/applicants/Central?quickFind=50732 and include curriculum vitae, statements of research and teaching, and representative reprints or manuscripts. Applicants at the Assistant Professor level should also submit the names and contact information for three individuals who will provide a letter of recommendation.

Review of applications will begin in late October, and continue until the position is filled.

The University of Pennsylvania is an Equal Opportunity, Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.
Assistant and/or Associate Professor of Human Genetics

The Department of Human Genetics in the University of Utah School of Medicine is seeking outstanding applicants at the level of Assistant and/or Associate Professor. We encourage applications from scientists with interests in genetic approaches to complex disease, population/statistical genetics, computational biology, functional genomics, and animal models of human disease. Our department has a strong history in human genetics, genomics, and developmental genetics, and our faculty members collaborate closely with faculty in other basic science and clinical departments.

Creative scientists with a record of achievement and commitment to excellence in both research and teaching are encouraged to apply. Successful candidates will receive a highly competitive startup package and enjoy a stimulating and supportive research environment.

Applicants should submit curriculum vitae, a summary of research plans, relevant reprints and/or preprints and three letters of reference to: Dr. Lynn B. Jorde, Professor and Chair, Department of Human Genetics, University of Utah School of Medicine, 15 North 2030 East, Room 2130, Salt Lake City, UT 84112-5330. Application materials, including letters of reference, should be submitted by December 1, 2009.

The University of Utah is an Affirmative Action/Equal Opportunity Employer and does not discriminate based upon race, national origin, color, religion, sex, age, sexual orientation, gender identity/expression, disability, or status as a Protected Veteran. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities. To inquire about the University’s nondiscrimination policy or to request disability accommodation, please contact: Director, Office of Equal Opportunity and Affirmative Action, 201 S. Presidents Circle, File rejected because of the following error(s): Rm 135, (801)381-8365.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a demonstrated commitment to improving access to higher education for historically underrepresented students.

Iveagh Professorship of Microbiology

In association with Linacre College

The University of Oxford intends to make an appointment to the Iveagh Professorship, a prestigious chair in the field of microbiology based in the Department of Biochemistry, the highest ranked biochemistry department to be individually rated in the recent Research Assessment Exercise, with 75% of the returned researchers rated as world leaders in their field. Excellent research facilities and a strong and vibrant research culture, together with generous laboratory space and associated start-up package within the award winning new Biochemistry building (http://www.bioch.ox.ac.uk) will be available for the successful candidate.

Applicants are expected to have a proven track record using microbial systems to solve fundamental biological problems and should be able to demonstrate an international reputation in scholarship and research, a record of success in obtaining and managing research funding, evidence of personal research contribution and research leadership, the ability to manage a substantial research team, to train, guide, and motivate students and junior colleagues, and to develop and present proposals for funding. The successful candidate will play a central role in driving and implementing the infrastructure necessary for top level research and in determining the long term structure and direction of research within the Department. Informal enquiries should be addressed to Professor Jane Mellor, at: jane.mellor@bioch.ox.ac.uk

Please see the further particulars at www.admin.ox.ac.uk/jpf/ for more details about the post and for full instructions before making an application. Applications, including a covering letter and full CV, and naming three referees should be received no later than 2 November 2009, by Dr Gwen Booth, Personnel Officer, Senior Appointments at professorships@admin.ox.ac.uk If you have a query about how to apply, please contact Mrs Elaine Eastgate at professorships@admin.ox.ac.uk or telephone: +44 (0)1865 280189.

Committed to equality and valuing diversity
The International Maize and Wheat Improvement Center (CIMMYT) seeks an outstanding, visionary, and highly effective scientific leader for the position of director of its Global Maize Program (GMP), the foremost public provider of improved, tropical maize germplasm and associated knowledge and information targeted to resource-poor farmers in the developing world, with focuses on stress tolerance and nutritional enhancement. The GMP includes some 30 internationally recruited scientists and 150 research support staff posted in Colombia, Ethiopia, India, Kenya, Mexico, Nepal, and Zimbabwe. Research disciplines include genetics, molecular and field-oriented breeding, physiology, pathology, nutrition, and seed systems. The program leads several major multidisciplinary and multi-institutional initiatives involving public, private, local, and international partners. The position is to be based at one of CIMMYT’s main maize research locations and will involve extensive international travel.

Candidates should have the following qualifications:

- A PhD in plant breeding, crop physiology or an associated discipline
- At least 10 years post-PhD experience, with a strong track record in research and management
- An understanding of high-quality science for germplasm development and creating impacts for resource-poor farmers
- Successful experience in fundraising and management of large and complex multidisciplinary/multi-institutional projects
- Demonstrated leadership of multidisciplinary teams in multicultural environments
- Strong people skills
- Fluent spoken and written English. Knowledge of Spanish and other major world languages is an advantage.

The position is for an initial fixed-term contract of 5 years, after which further employment is subject to performance and availability of funds. CIMMYT offers an attractive remuneration package paid in US dollars, with a range of benefits including housing allowance, life and health insurance, education allowance (to Grade 12), home leave, retirement fund, and relocation shipping allowance. Please send via e-mail your letter of application no later than November 15, 2009.

CV/Resume (including full contact information), and names and contact information of three references to: Human Resources Manager, CIMMYT, (Reference 2009/13); Email: jobs-cimmyt@cgiar.org. For further information contact Dr. Marianne Bänziger, Deputy Director General, Research and Partnerships (m.banziger@cgiar.org). CIMMYT (www.cimmyt.org) is an Equal-Opportunity Employer and strives for staff diversity in gender and ethnicity.

The University of California, Berkeley Bowes Research Fellows Program

The recently established Bowes Research Fellows Program at the University of California, Berkeley, is seeking nominations of outstanding young scientists who are interested in establishing an independent research program as an alternative to the traditional postdoctoral experience. The program will provide recent Ph.D and M.D graduates who have demonstrated exceptional promise with the necessary resources to pursue independent research at the frontiers of biomedical and life sciences, free from the need to obtain grant support or the distraction of teaching responsibilities. Fellows will receive funding and space sufficient to maintain a laboratory of two to three members for a term of up to four years. Fellows will also be eligible to obtain outside funding from grants or other sources as they need to expand their programs.

Bowes Fellows will benefit from the mentorship of our faculty, as well as from the exceptional breadth of our scientific resources and the highly interactive nature of our research community. In turn, our community will benefit from the Fellows’ creativity and energy in forging new frontiers in biomedical and life sciences research. Because interdisciplinary interactions are key to innovation, we seek to attract individuals who have broad interests in the life sciences and who have diverse expertise in experimental, theoretical and/or computational approaches.

Candidates must be nominated by their current mentor or by another senior investigator who can provide an in-depth analysis of their accomplishments and future potential. Refer potential reviewers to the UC Berkeley Statement of Confidentiality found at: http://apo.berkeley.edu/emp/nominations. Selected candidates will be asked to submit a brief research plan and to arrange for letters of recommendation. Finalists will be invited to interview on the UC Berkeley campus. Nominations must be received by December 15, 2009 and should be sent to: Marla Feller, Chair, Bowes Research Fellows Selection Committee, Department of Molecular and Cell Biology, University of California, Berkeley, 195A LSA, Berkeley, CA 94720-3200; mfeller@berkeley.edu.

The University of California is an Affirmative Action, Equal Opportunity Employer.
COLUMBIA UNIVERSITY
Tenured and Tenure-Track
Faculty Positions
Department of Electrical Engineering

The Department of Electrical Engineering at Columbia University in the City of New York invites applications for faculty positions. Appointments at all levels, including assistant professor, associate professor, and full professor, will be considered. Priority cutting themes include Energy, Engineering Biology, Information Technology, Advanced Computing, and Nanoscience/technology. Candidates who work in specific technical areas, including, but not limited to, computer engineering, networking and communications, and systems biology, with research programs that can significantly impact the above priority themes are particularly welcome to apply. Candidates doing research at the interface of electrical engineering and the life sciences, physical sciences, and chemistry are also encouraged to apply.

Candidates must have a Ph.D. degree and are expected to establish a strong research program and excel in teaching both undergraduate and graduate courses.

Applicants should apply online on the Department Web site at: https://academicjobs.columbia.edu/applicants/Central?quickFind=52158

The position will close no sooner than December 15, 2009, and will remain open until filled.

Columbia University is an equal opportunity/affirmative action employer.

EXECUTIVE VICE PRESIDENT
ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY

The Association of Universities for Research in Astronomy (AURA) seeks to establish the position of Executive Vice President of AURA. This is a new position. The Executive Vice President would functionally serve as a deputy to the President and second in the overall corporate management structure. We are seeking an individual with an outstanding background in science or science policy, and management. The person must convey a strong vision and a demonstrated leadership and talent for administration in a complex and evolving environment.

The Executive Vice President will act on behalf of the President, will represent AURA and the President, and will carry out special initiatives at the direction of the President. Factors that will be considered in the selection will include: familiarity with current issues in the nation’s astronomy program; familiarity with the Federal budget and policy process; experience in dealing with Federal funding agencies including NSF and NASA; and an understanding of the basic mission and role of AURA.

Salary and compensation will be established at a level appropriate to the candidate’s experience and comparable to senior staff levels within AURA. The Search Committee will begin evaluating applications on January 1, 2010. Applications will be accepted until the position is filled. Applications should include a description of the candidate’s experience, relevant accomplishments, a resume, a list of three references, and the individual’s written view of the future landscape for astronomy and where AURA should fit in. Applications will be kept confidential, and should be sent to: Dr. Bradley Peterson, Chair, AURA Search Committee, c/o AURA, 1212 New York Avenue N.W., Suite 450, Washington, DC 20005.

Questions related to this search should be directed to Bradley Peterson, Chair of the AURA Executive Vice President Search Committee at peterson@astronomy.ohio-state.edu. Information and updates regarding this search are available on www.aura-astronomy.org.

Women and minorities are encouraged to apply. AURA is an EOE/AA/F/D/V Employer.

MICROBIAL PATHOGENESIS FACULTY POSITIONS – OPEN RANK
CENTER FOR MOLECULAR AND TRANSLATIONAL HUMAN MICROBIAL PATHOGENESIS RESEARCH
THE METHODIST HOSPITAL RESEARCH INSTITUTE

The Methodist Hospital Research Institute (TMHRI) at The Methodist Hospital (TMH) in Houston, Texas, seeks several exceptional scientists studying the molecular basis of microbial pathogenesis. We are especially interested in senior investigators with established research programs. The Methodist Hospital System consists of 1,450 beds, including 950 located in the Texas Medical Center in Houston. The Research Institute is finishing construction of a 440,000 SF state-of-the-art research building with biocontainment, molecular imaging, high-throughput genomics, and animal facilities specifically designed to foster and support interdisciplinary collaborative research (see www.tmhri.org). Collaborative research and faculty opportunities are available at several academic partners. Candidates using new or proven technologies to study molecular events occurring at the host-pathogen interface are preferred, but all outstanding investigators are encouraged to apply. Successful applicants will be responsible for establishing or expanding nationally recognized, externally funded research programs.

Applicants must have an advanced degree (PhD, DVM, MD, or MD/PhD). Successful applicants will receive an outstanding recruitment package. Interested individuals should send via e-mail, by November 15, 2009, a curriculum vitae, description of research interests, future directions, and grant funding information; and the names of at least three references to:

James M. Musser, M.D., Ph.D.
Co-Director and Executive Vice President
c/o Ms. Irene Harrison
E-mail: jhmusser@tmhs.org

The Methodist Hospital Research Institute
LEADING MEDICINE®
FACULTY POSITIONS at The Lillehei Heart Institute, University of Minnesota

The Lillehei Heart Institute at the University of Minnesota—Minneapolis seeks exceptional, interactive and creative physician-scientists and scientists to join our faculty. We invite applications from outstanding candidates for tenure-track positions (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 iPSC biology, signaling pathways in hypotrophy and heart failure, cardiovascular genomics, miRNAs 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 NHH
University of Minnesota
Minneapolis, Minnesota 55455
E-mail: garry@umn.edu

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

Soka University of America seeks to fill an OPEN-RANK, TENURE-TRACK POSITION, in the environmental sciences. Applicants from all areas of environmental science are encouraged to apply, and we especially encourage applicants with one of the following specialties: landscape ecology, restoration ecology, environmental geology, atmospheric sciences, or geography. The successful candidate will teach in two- to three-quarter courses at all levels. The candidate will have the ability to work with students according to the applicant’s background and expertise. Candidates must have a strong commitment to teaching as well as to the establishment of a research program involving undergraduate students. A Ph.D. is required and postdoctoral experience is a plus. Applicants should submit curriculum vitae along with statements of research interest and teaching philosophy and unofficial transcripts, and should arrange to have three letters of recommendation sent to: Edward M. Feasel, Ph.D., Dean of Faculty, Soka University of America, 1 University Drive, Aliso Viejo, CA 92656. Applications will be reviewed beginning November 15, 2009, but will stay open until filled. Please see website: http://www.soka.edu for more information. Soka University of America is an Equal Opportunity Employer.

FACULTY POSITION IN ENVIRONMENTAL SCIENCE AND JUSTICE

The Science Programs at Washington State University, Vancouver, seeks to fill an assistant professor position in environmental science and justice. We seek a colleague whose research focuses on scientific issues that disproportionately affect populations along cultural, economic, and/or racial boundaries. Required qualifications: Ph.D. in a scientific discipline; research addressing environmental justice issues; ability to establish an externally funded research program. Desired qualifications: demonstrated ability to develop and teach undergraduate and graduate courses; successful externally funded research program; strong publication record; ability to collaborate with disciplines outside of science; demonstrated ability to mentor students of diverse backgrounds and incorporate issues of diversity in curricular offerings. Teaching duties may include undergraduate and graduate courses, plus mentoring graduate students and directing graduate student research. Additional information and full notice of vacancy is available at website: http://www.washington.wsu.edu/programs/sci/default.htm.

WSU, Vancouver is one of four WSU campuses. Research expectations and teaching loads are consistent across all campuses. WSU; a tier one research institution, offers competitive salaries and startup packages. WSU, Vancouver is located across the Columbia River from Portland, Oregon, and offers significant opportunities for research, a variety of neighboring institutions and agencies for collaboration, and an excellent quality of life.

Submit electronically: (1) cover letter discussing training and experience as related to the required and desired qualifications; (2) curriculum vitae; (3) copies of two publications; (4) statement of teaching philosophy and interests; (5) summary of research accomplishments; and (6) three letters of reference to: e-mail: profsearch@wsu.edu. The position is open until filled. Women, minorities and veterans are especially encouraged to apply. The University of Oklahoma is responsive to the needs of dual-career couples, and is an Affirmative Action Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately for funded collaborative projects to study cellular and molecular biology of cancer stem cells, tissue engineering, and regenerative medicine. The position requires a Ph.D., M.D., or equivalent degree. Experience with animal models, tissue culture, microscopy, and genetic and protein techniques is desirable. The laboratory is located at the University of Florida within the Program in Stem Cell Biology and Regenerative Medicine. Interested candidates should send curriculum vitae, letter of interest, and three letters of reference to: Edward W. Scott, Ph.D., or Emina H. Huang, M.D., e-mail: e-scott@ufl.edu or emina.huang@surgery.ufl.edu, respectively.

The University of Florida is an Equal Employment Opportunity Employer.

DEPARTMENT OF CHEMISTRY
Emory University

The Department is seeking candidates for an ASSISTANT PROFESSOR position. Applicants should have a Ph.D. and a proven record of research accomplishments in biomolecular chemistry, chemical biology, or synthetic biology. Candidates whose research plans include both experimental and computational approaches are particularly encouraged to apply. Please submit electronically a cover letter, curriculum vitae, summary of research interests, and specific research plans in a single PDF file to e-mail: chemsearch@emory.edu. Arrange for three letters of recommendation to be sent to the same address. Review of applications will begin October 9, 2009.

Emory University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and members of minority groups.

STRUCTURAL AND FUNCTIONAL GENETICS at the University of Oklahoma

The Department of Chemistry and Biochemistry at the University of Oklahoma invites applications for a tenure-track faculty position in biochemistry at the ASSISTANT PROFESSOR level. Applicants must have a position is filled. Interested individuals should submit their curriculum vitae, a description of their research plans, and a statement of teaching interests and philosophy. Candidates should request three letters of recommendation and have them sent to the Chair of Genomics Search Committee. Send application materials or nominations to: Prof. Phillip E. Klebba, Chair of Genomics Faculty Search Committee, Department of Chemistry and Biochemistry, 620 Parrington Oval, Norman, OK 73019. We will also accept completed applications in PDF format sent to e-mail: mwilburn@ou.edu. The review of applications will begin on October 1, 2009, and will continue until the position is filled. Minorities and women are especially encouraged to apply. The University of Oklahoma is responsive to the needs of dual-career couples, and is an Affirmative Action Equal Opportunity Employer.

MULTIPLE SCLEROSIS/NEUROIMMUNOLOGY RESEARCH

Seeking POSTDOCTORAL FELLOWS for research in neuroimmunology of multiple sclerosis. Requirements: Ph.D. or M.D. with laboratory experience in immunology/T cell biology. Experience in EAE and molecular biology is highly desirable. We are seeking highly motivated scientists who have recently completed a doctoral program. Interested candidates should send curriculum vitae and a list of three references to A.M. Rostami, M.D., Ph.D., Department of Neurology, Thomas Jefferson University, Philadelphia, PA, via e-mail: burcot@jefferson.edu.

A POSTDOCTORAL POSITION is also available for study of neural stem cell/gene therapy in EAE. Send application to Dr. Guang-Xian Zhang, e-mail: guang.xian.zhang@jefferson.edu.
FOURTH ANNUAL TRANSLATIONAL STEM CELL RESEARCH CONFERENCE

**Breaking Ground**

**OCTOBER 13-14, 2009**

**AT THE ROCKEFELLER UNIVERSITY, NEW YORK CITY**

**CONFIRMED SPEAKERS INCLUDE**

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<td>Arturo Alvarez-Buylla, PhD</td>
<td>Insoo Hyun, PhD</td>
<td>Janet Rossant, PhD, FRS, FRSC</td>
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<td>Peter Arner, MD, PhD</td>
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<td>Philip Avner, PhD</td>
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<td>Steven A. Goldman, MD, PhD</td>
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**CO-CHAIRS**

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<tr>
<td>Lee Goldman, MD, MPH</td>
<td>Columbia University Medical Center</td>
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<td>Antonio M. Gotta, Jr., MD, DPhil</td>
<td>Dean, Weill Cornell Medical College</td>
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<td>Paul Nurse, PhD</td>
<td>The Rockefeller University</td>
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<td>Allen M. Spiegel, MD</td>
<td>Dean, Albert Einstein College of Medicine</td>
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**SCIENTIFIC CO-CHAIRS**

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<th>Name</th>
<th>Title</th>
<th>Affiliation</th>
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<td>Zach W. Hall, PhD</td>
<td>The New York Stem Cell Foundation</td>
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<td>Ihor Lemischka, PhD</td>
<td>Mount Sinai School of Medicine</td>
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<td>Dan Littman, MD, PhD</td>
<td>New York University School of Medicine</td>
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The New York Stem Cell Foundation is a non-profit organization dedicated to accelerating stem cell research to cure the major diseases of our time.
**DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY**

**A POSTDOCTORAL POSITION** is immediately available in the lab of Dr. Barbara A. Atshaves, Department of Biochemistry and Molecular Biology at Michigan State University. The successful candidate will have opportunities to learn and utilize several experimental approaches including those involved in functional resistance to radiation in mammalian cells (e.g., biochemistry, molecular biology, and lipid methodology). Successful applicants should have a Ph.D. degree in a bioscience field and a solid background in biochemical and cellular techniques. Previous experience in functional imaging and lipid biochemistry is highly preferred. Salary is competitive and commensurate with experience.

To apply, please send your curriculum vitae, a brief description of research interests, and names, e-mail addresses, and telephone numbers of three references to: Dr. Barbara Atshaves, e-mail: atshaves@msu.edu, Department of Biochemistry and Molecular Biology, Michigan State University, Biochemistry Building, East Lansing, MI 48824, USA. Applications will be reviewed starting from October 5, 2009.

**MICROBIAL ECOLOGY**

The Department of Biological Sciences at Marquette University invites applications for a full-time, tenure-track position at the **ASSISTANT PROFESSOR** level in the area of microbial ecology. Research interests could involve biofilms, aquatic microorganisms, or other disciplines in environmental microbiology. The successful candidate will be expected to establish an innovative, externally funded research program using contemporary molecular approaches. A successful applicant will be able to take advantage of special opportunities (e.g., civil and environmental engineering, School of Dentistry) and at nearby institutions where active, collaborative ecological research is ongoing. Teaching responsibilities will include one undergraduate course every year and participation in one graduate course every other year. Applicants must have earned a Ph.D. and have relevant postdoctoral experience. Candidates should apply online using Marquette University’s electronic recruiting system at website: http://Careers.marquette.edu/applicants/Central?quickfind=52145. Application process requires curriculum vitae, statement of research and teaching interests, and letter of recommendation. For complete position details, please see Department of Biological Sciences announcement on the University’s website at: http://jobs.msu.edu (Requisition ID: 20110852). Review of applications will begin November 1, 2009, and continue until the position is filled. Marquette University is an **Affirmative Action** Equal Opportunity Employer.

**ASSISTANT PROFESSOR Utah State University**

The Department of Chemistry and Biochemistry at Utah State University invites applications for a tenure-track position at the Assistant Professor level beginning fall 2010. Candidates must have a Ph.D. in chemistry or biochemistry or a related field, and postdoctoral experience is preferred. The position requires the development of an externally funded research program and teaching at the undergraduate and graduate levels. Applicants with interests in the areas of eukaryotic biochemistry, or energy and metabolic pathways, and the environment, broadly defined, are strongly encouraged to apply. Applicants should submit curriculum vitae, concise descriptions of future research projects and associated research support, research interests, statement of teaching philosophy, and letters of reference. Please e-mail: yangl@umich.edu. Final closing date is October 30, 2009, and will continue until the position is filled. For further information, please visit our website: http://www.chem.usu.edu. Utah State University is an **Equal Opportunity/Affirmative Action** Employer.

**FULL/ASSOCIATE/ASSISTANT PROFESSOR Case Western Reserve University School of Medicine**

Case Center for Proteomics and Bioinformatics and Department of Molecular Biology and Microbiology

The Center for Proteomics and Bioinformatics and Department of Molecular Biology and Microbiology in the School of Medicine at Case Western Reserve University invite applications for an open tenure-track faculty position at the Full, Associate, or Assistant Professor level. The successful candidate will establish a vigorous research program, participate in teaching activities, and interact productively with the strong team of basic and clinical scientists interested in the overlapping areas of HIV/AIDS and host-pathogen interactions, and drug abuse in the context of HIV/AIDS at our institution. We are especially interested in candidates who are undertaking epigenetic, proteomic, systems biology, and administrative support. The candidate will be an active participant in the expansion of HIV/AIDS research conducted by the Centers for Proteomics and Bioinformatics and the Center for AIDS Research. The successful candidate will receive a primary appointment in the Center for Proteomics and Bioinformatics or the Department of Molecular Biology and Microbiology and a secondary appointment in the collaborating department, depending on the research focus of the candidate. All candidates should have a Ph.D. and relevant postdoctoral experience. Candidates for the rank of Associate Professor or above must have a record of funding, an active research program, and a national reputation. Rank commensurate with experience. Interested candidates should apply by November 30, 2009, by sending curriculum vitae, a plan of research, and the names of three references to: Joan Schenkel, Case Center for Proteomics and Bioinformatics, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4988. Or e-mail: joan.schenkel@case.edu.

In employment as in education, Case Western Reserve University is committed to Equal Opportunity and world-class diversity. Case is a recipient of a National Science Foundation ADVANCE Institutional Transformation Grant to increase the participation of women in science and engineering.

**CHAIR Department of Cellular and Molecular Pharmacology**

The Chicago Medical School at Rosalind Franklin University of Medicine and Science invites applications for the position of Chair of the Department of Cellular and Molecular Pharmacology. We seek candidates with established records of research accomplishment and the leadership skills to oversee and expand the dynamic research department of ACHI/CDIS. Applicants must have Ph.D. in immunology or cell biology with less than three years of postdoctoral experience, publications in quality peer-reviewed journals, and good communication skills. Send curriculum vitae with names of two or three references and a statement of research interest to e-mail: yangl@umich.edu.

**POSTDOCTORAL RESEARCHERS-IMMUNOLOGISTS**

Two to three positions are available in the laboratories of Yang Liu and Pan Zheng at the University of Michigan to study the function of mammalian target of rapamycin (*JEM* 205:2397; *Science Signaling* in press), Fox3+ T cells (223:925; Cancer Cell October 2009), and CD24– (Science 325:1722) in immune regulation, stem cells, and cancer. Requirements include Ph.D. in immunology or cell biology with less than three years of postdoctoral experience, publications in quality peer-reviewed journals, and good communication skills. Send curriculum vitae with names of two or three references and a statement of research interest to e-mail: yangl@umich.edu.

**POSTDOCTORAL ASSOCIATE Stony Brook University is seeking a Postdoctoral Researcher to work on the function of the transcriptional repressor REST during neural development.** Studies involve stem cells, chromatin analysis, conspecific imaging, and more. For full position description or to apply online, visit website: http://www.stonybrook.edu/jobs (Ref. #WC-R-5878-09-09-F), Equal Opportunity/Affirmative Action Employer.