DIRECTOR OF BIOLOGY TEACHING and
University of Tennessee

The Division of Biology at the University of Tennessee seeks an ASSOCIATE or FULL PROFESSOR in a tenured position to direct the freshman and sophomore core biology program and to lead the development and implementation of innovative teaching approaches in biology, beginning August 2009. Responsibilities of the Director include: (1) implementing ongoing curriculum evaluation and assessment; (2) research, graduate student mentoring, and publication in biology teaching; (3) course design and administration in coordination with faculty; (4) training and supervision of instructional staff including development of teaching workshops; and (5) teaching in the biology core. The Director is expected to play a leadership role in obtaining outside funds for improved biology teaching. The successful candidate will have: (1) a Ph.D. in the biological sciences; (2) a record of published scholarship in the area of biology education research; (3) a demonstrated record of teaching excellence in lower and upper-division biology courses; (4) a record of success in extramural grants (preferably federal grants) to support activities in biology education research; and (5) experience with administration of biology courses including curriculum revision. Experience with graduate teaching, including the mentoring of graduate students, is highly desirable. Please see website: http://www.bio.utk.edu/division to find information about the Biology Division at the University of Tennessee. Review of applicants will begin January 12, 2009, and continue until the position is filled. Please submit curriculum vitae, statement of teaching philosophy, interests, and experience, teaching evaluation summaries if available, and names with contact information of three references to e-mail: cjyna@utk.edu.

The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/TITLE VI/TITLE IX/SECTION 504/ADA/ADEA Institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

INVERTEBRATE BIOLOGY

The Department of Biology at the College of William and Mary invites applications for a tenure-track position at the ASSOCIATE or FULL PROFESSOR level in marine invertebrate biology. The position is open to applicants conducting research in any field or scale of marine invertebrate biology that contributes to existing departmental strengths in molecular, behavioral, and ecological/evolutionary biology, as well as the neurosciences. The successful candidate is expected to maintain an externally funded research program involving both undergraduate and Master’s degree students. All candidates should have the ability to integrate approaches across diverse levels of biological organization in their teaching. Teaching expectation is one course each semester, usually alternating between an upper-level invertebrate biology course with a laboratory, an introductory biology lecture course, and another course in the candidate’s area of expertise. Postdoctoral research experience is required, and previous experience teaching undergraduate courses will be viewed favorably. Review begins 27 October 2008, and will continue until an appointment is made. Submit online (website: https://jobs.wm.edu/) as a single PDF including a letter of application, curriculum vitae, statements of research plans and teaching philosophy, to three references, and a list of courses taken/taught relevant to invertebrate biology. Also arrange to have three letters of reference sent to: Invertebrate Biology Search Committee, Department of Biology, College of William and Mary, P.O. Box 8795, Williamsburg, VA 23187-8795. Information on the Biology Department and this position may be obtained at website: http://www.wm.edu/biology. The College is an Equal Employment Opportunity/Affirmative Action Employer.

REQUEST for NOMINATIONS to the
SCIENCE BOARD to the FDA

Food and Drug Administration (FDA) is requesting nominations to serve on the Science Board.

General Function of the Committee. The Science Board will provide advice primarily to the Commissioner and other appropriate officials on specific complex and technical issues as well as emerging issues within the scientific community. Additionally, the Science Board will provide advice to the Agency on keeping pace with technical and scientific evolution in the fields of regulatory science; on formulating an appropriate research agenda; and on upgrading its scientific and research facilities to keep pace with these changes. It will also provide the means for critical review of Agency sponsored intramural and extramural scientific research programs.

Committee Meetings. The Science Board will meet approximately four times a year. Science Board meetings will be open to the public. Meetings will be announced in the Federal Register at least 15 days prior to each public meeting.

Criteria for Committee Members. Persons nominated for membership shall be knowledgeable in the fields of molecular biology, pharmacology, toxicology, clinical research, or other scientific disciplines such as systems biology, wireless healthcare devices, nanotechnology, medical imaging, robotics, cell and tissue based products, regenerative medicine and combination products. Members shall be chosen from academia, government, and industry.

Nomination Procedures. Any interested person may nominate one or more qualified person(s) for membership. Self-nominations are also accepted. Nominations shall include complete curriculum vitae of each nominee and current business address, telephone number, and e-mail address, if available. Each nominee shall state that the nominee is aware of, and appears to have no conflict of interest that would preclude membership. FDA will ask the potential candidate(s) to provide detailed information concerning such matters as financial holdings, employment, and research grants and/or contracts to permit evaluation of possible sources of conflict of interest. All nomination(s) for membership should be sent electronically to e-mail: cv@fda.hhs.gov, or by mail to: Advisory Committee Oversight and Management Staff, 5600 Fishers Lane, HF-4, Room 14A-12, Rockville, MD 20857.

TENURE-TRACK FACULTY POSITION

Department of Developmental and Cell Biology

University of California, Irvine

Applications are invited for a tenure-track faculty position at the ASSOCIATE or FULL PROFESSOR level in the area of developmental biology. Candidates with interest in all developmental biology subdisciplines are welcome and those working in tissue patterning and organogenesis are especially encouraged to apply. The successful applicant is expected to conduct a strong research program and to contribute to the teaching of undergraduate and graduate students (website: http://www. ucidivecell.org). Please send curriculum vitae, summary of research accomplishments and goals, and the contact information for three individuals who can provide letters of reference using the following online recruitment URL, or by mail to: Developmental and Cell Biology Committee, The University of California, Irvine, Irvine, CA 92697.

Applications received after December 1, 2008, will not be considered. The University of California, Irvine is an Equal Opportunity Employer committed to excellence through diversity, and strongly encourages applications from all qualified applicants, including women and minorities.
The Bill & Melinda Gates Foundation seeks novel ideas from innovative thinkers to solve the greatest challenges in global health.

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— Peter Carberry
3 years with Genentech

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— Daniel McCoy
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Marc Tessier-Lavigne, Executive Vice President: Research Drug Discovery

“What is unique about Genentech is that there is a deep focus on both doing the best science possible to understand basic mechanisms of disease, and at the same time applying those scientific insights to help people. We tackle scientific issues with the same rigor with which they are tackled in academia.

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LEADERSHIP, STABILITY, AND SOCIAL RESPONSIBILITY

This year’s survey of top employers features a familiar winner. The survey also points out the critical importance of flexible, innovative leadership and responsible behavior toward employees, customers, and potential customers in maintaining a company’s high reputation. By Peter Gwynne

In this year’s Science survey of top employers the industry sees the return of a past winner. For the sixth time in the survey’s seven years, respondents have judged Genentech to be the best of the best. After taking top position in the first five surveys, the South San Francisco biotechnology company placed second last year, but this year is back at No. 1.

The survey reveals two other interesting developments. For the first time a company outside the mainstream pharmaceutical and biopharmaceutical business has reached the pinnacle of top employers. Survey respondents voted into second place Monsanto Company, a company that applies biotechnology as well as traditional chemistry to create and manufacture its agricultural products. In addition, this year’s list of top employers has a strong international flavor. Four of the top 10—Boehringer Ingelheim, Roche Pharmaceuticals, EMD Serono, and Millennium: The Takeda Oncology Company—and eight of the top 20 are headquartered outside the United States. Firms based in the United States—Genzyme Corp., Schering-Plough Corp., Gilead Sciences, and Eli Lilly and Company—round out the top 10.

The survey also revealed greater emphasis on the leadership qualities of companies judged to be the best employers. While being an innovative leader in the industry remains the major driving characteristic of top employers (see figure on p. 288), respondents nominated having top leadership that successfully makes changes needed to keep the organization moving in the right direction as one of the half-dozen most important drivers; that driver did not make last year’s top six. Respondents also use social criteria in judging the top employers. Being socially responsible, having loyal employees, treating employees with respect, and having work culture values aligned with employees’ personal values make up the rest of the six most important drivers.

Interviews with representatives of highly ranked companies reveal the basic ingredient that marks a top employer: leadership that ensures an atmosphere of stability for employees and customers in a rapidly changing business environment. In most cases, that approach stems from the corporation’s basic values (see p. 292).

“We have a core of values that we use to run the company,” says Richard Scheller, Genentech’s executive vice president of research and chief scientific officer. “We don’t deviate from these values when it might be better for the bottom line or opportunistic.” Steve Padgette, vice president of biotechnology at Monsanto, regards the consistent relationship between R&D and commercial products as the key to success. “At the core, it’s the company we are, being leaders in innovation,” he says.

Continuity and Change
Richard Gregory, senior vice president and head of research at Genzyme, sees maintaining a corporate culture rooted in consistent values as the basis of his company’s third-place ranking. “We have maintained the values of commitment to innovation and focus on unmet needs, even as we have doubled in size over the past six or seven years,” he says. And fourth-placed Boehringer Ingelheim, founded in 1865, has successfully negotiated the chasm between continuity and change. “We work very hard to be ahead of the change and...continued »

“Science drives what we do here. We follow what the science shows us will be the best for the patients.”

UPCOMING FEATURES

Focus on Ireland — October 31
Regenerative Medicine (online only) — November 7
Diversity: GLBT (online only) — December 5
to have the flexibility and willingness to look at things differently as time passes,” says David Nurnberger, senior vice president for human resources.

The top companies have proved successful in two other respects. They have avoided the negative perceptions that, according to survey respondents, affect much of the life science industry. “If you live by fundamental core values and apply them to every aspect of your mission,” Scheller says, “you tend not to have those problems.” At the same time, top employers have emphasized and benefited from the types of achievement that provide positive views of the field. “We are flexible enough to apply new technologies, an example being the types of achievement that provide positive views of the field,” says Gerd Schnorrenberg, vice president in research at Boehringer Ingelheim in Germany. Steve Gansler, senior vice president, human resources at Millennium, echoes that view. “Millennium was founded based on innovation,” he explains. “That’s something that has continued.”

Science’s Business Office commissioned Senn-Delaney Culture Diagnostics & Measurement to conduct the web-based survey. As it did last year, Senn-Delaney used two approaches to solicit respondents. In one, e-mail invitations went out to members of AAAS, registrants with Science Careers, and visitors to Science’s website who had registered with AAAS. In addition, Senn-Delaney sent an e-mail blast to human resource contacts at industry firms pulled from the AAAS/Science Careers sales database. A total of 3,990 respondents completed the survey between April 17 and May 11 of this year. The table on page 286 shows the sample’s demographics.

Best, Average, and Worst

Respondents were asked to list companies, including their own, that they regarded as the best, average, and worst employers. Sixty-two percent chose as best the company that employed them and 13 percent had past connections with that company. Survey takers then rated the companies they had chosen on 23 driving

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Creating Revolutionary Medicines for Diseases of Aging
employees for building strong teamwork within the organization.”

Steven Paul, executive vice president of science and technology and head of R&D, explains the importance of employee loyalty to Lilly. “We like to say we hire people to work for their entire career,” he says. “This is increasingly challenging as priorities and programs change and as we restructure the way we pursue pharmaceutical R&D. However, we believe we’ve done it in a way that values our scientists and their critical contributions to the success of our company.” Much the same applies to sanofi-aventis, a company that has consistently ranked highly, often in the top 20. “Respect and solidarity are part of our defined values,” explains global head of R&D Marc Cluzel. “Working in R&D needs motivation as well as excellent science. It’s really critical to ensure that your people are motivated.”

A critical part of motivating scientists involves exposing them to tough problems. “Our scientists want challenging, innovative work,” Brown says. Paul sees the existence of high-quality science as a key recruiting tool for Lilly. “I think that scientific reputation is the most likely driver of the top employer ratings,” he says. “Scientists from the outside recognize the excellence of Lilly’s basic scientific, as well as clinical, research.” Scientific excellence can also facilitate collaborations with universities and other organizations. “If you want to attract employees and collaborate with researchers outside, you need to be attractive scientifically,” Cluzel explains.

Tailoring Treatments
A particularly attractive, and demanding, area of research focuses on tailoring treatments to individual patients. “The thing we’re particularly proud of is our innovation in personalized medicine,” Genentech’s Scheller says. “We’re developing diagnostics for every drug in our pipeline.” EMD Serono, Kirschbaum says, “focuses on the development of targeted cancer therapies on three therapeutic platforms: targeting the tumor cell, the tumor environment, and the immune system.” At Lilly, adds Paul, “We have the overriding mantra of tailored therapies—the right drug for the right patient at the right time for the right duration. We try very early on to identify subgroups that will do best on specific drugs.”

One member of the top 10 employers shows that challenging research in biotechnology is not restricted to the pharma and biopharma industries. “No longer is agricultural research following behind what happens in pharma,” Monsanto’s Brown declares. “The convergence of technologies applying to agriculture is fabulous,” adds her colleague Padgette. “You can walk into a lot of our laboratories and the work is the same as in a pharmaceutical company.”

Several other themes emerged within the contexts of the key drivers of leadership, social responsibility, and respect for employees. “It’s my job to keep science as a fun enterprise for people here at Genentech,” says Scheller. “Scientists love getting up in the morning, thinking about data, and trying to solve scientific problems that help patients.”

At EMD Serono, says Kirschbaum, “We strive to create an environment that fosters growth and professional development continued »
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provide drugs to patients who can’t afford them. “We continue to be successful as a top employer by remaining focused on innovation.” Gilead takes a similar approach. “We ensure and we have several cancer and metabolic projects in advanced stages. “Everybody wants to have the opportunity to make a difference and have an impact,” he says. That mode of thinking applies beyond medical products. “We have an innovation and scientific excellence focus, but also a product focus,” Monsanto’s Padgette says. “There’s a connection between our science and our products—between R&D and our commercial plans—that makes a very large difference.”

Equally intriguing to scientists is the opportunity to break new ground. “We are looking for unmet therapeutic needs,” says Boehringer Ingelheim’s Schnorrenberg. “In an interdisciplinary approach, we look at how we can address them. We recently introduced the first oral thrombolytic drug on the market in more than two decades. And we have several cancer and metabolic projects in advanced clinical investigation.” Gilead takes a similar approach. “We ensure our continued success as a top employer by remaining focused on what we do best—developing innovative new medications for life-threatening diseases and getting them to patients who need them,” Bischofberger says.

Humanitarian work plays a strong role in the perception that companies act in a socially responsible way. Genzyme, for example, is committed to developing innovative therapies for diseases such as malaria and sleeping sickness that have largely disappeared in the industrial nations but affect millions in Third World countries. “We do not intend these as future profit makers, but we still work on them,” Gregory says. “Our employees are tremendously excited by this.” Social responsibility is part of the culture at other companies, too. “One reason for the industry’s bad image is the feeling that we are interested only in people able to pay a lot of money for our products,” Cluzel points out. “Here at sanofi-aventis, we are working to find ways to provide drugs to patients who can’t afford them.”

The number of top employers headquartered outside North America raises the issue of the importance of a worldwide presence for modern life science companies. “It is extremely important for a pharmaceutical company to be global, mainly to be able to access markets and attract skilled employees,” Schnorrenberg says. “At Boehringer Ingelheim we operate globally for both marketing operations and research centers.” The company also recruits worldwide, as evidenced by the 17 different nationalities represented at its headquarters.

Life science companies based in the United States have their own positive take on a global perspective. “Ours is a business that requires maximum scientific and intellectual input to be successful,” Paul says. “Lilly has been on the cutting edge of establishing research centers outside the United States, particularly in Asia.” Adds Bischofberger: “At Gilead we saw value in retaining control of our products outside of North America. We have invested in setting up or expanding existing operations in Canada, Europe, and Australasia.”

Two of the top 10 companies have a particular interest in globalization, having been involved in recent international acquisitions. Merck KGaA, a Darmstadt, Germany, company founded in 1668 by the family that makes up a majority of its present ownership, acquired Serono SA in January 2007, creating a division of the parent company named Merck Serono. Due to trademark restrictions, this division operates in the United States and Canada as EMD Serono (ranked 7th) to distinguish it from Merck & Co. (ranked 14th), a separate and independent company. “Our centers of excellence located in the United States, Switzerland, Germany, and Italy provide greater synergy and collaboration in effective networks,” Kirschbaum says. Meanwhile, Millennium was acquired by Japanese pharma Takeda Pharmaceutical Company in May of this year. “It’s very attractive to be part of an organization that is global in nature,” Gansler says. “We have ready-made markets and a ready-made structure to sell our products on a worldwide basis.”

Negatives and Positives
The life science industry has had its share of problems in recent years. In many cases, negative perceptions of the industry exceed the positive characterizations. Respondents in this year’s survey pointed to five main causes of the field’s less than favorable reputation: drug and product recalls such as the withdrawal of Avandia; safety issues such as the discovery of problems with raw material from China used in medical products; scandals, including evidence that pharmaceutical companies have failed to release data from trials whose results cast doubts on their drugs’ safety and efficacy; lawsuits brought against companies that failed to warn patients of problems with their products; and ethical issues such as kickbacks for physicians promoting specific medications. “A lot of people appreciate what the industry is doing for patients,” Scheller says. “But the industry has got itself into a little bit of a difficult situation because of those issues.”

You can find an expanded version of this feature by going to: dx.doi.org/10.1126/science.opms.0800061
VISION

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IMAGINATION

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Survey respondents had no doubt about the treatment for the industry’s problems: information sharing. “Be open and transparent,” one recommended. “Communicate to the public the worth of what companies are doing without over-hyping and driving up expectations,” another suggested. That message has plainly got through to the top employers, exemplified by sanofi-aventis: “We understand that we have to fully articulate the economic and social value of our products,” says Cluzel.

Perceptions of the industry aren’t entirely negative. Respondents noted the positive impact of general advances in health care. These include the ability to bring new, innovative products to the market; progress in oncology, such as the approval of Genentech’s drug Avastin for breast cancer and advances in the use of gene therapy, despite some setbacks; continuing progress in research on stem cells; the emergence of treatments for previously untreated diseases; and solutions for food and fuel shortages, such as biocrops and biofuels.

Putting the Patient First

Bischofberger points to the impact of successful research on one key disease. “The antiretroviral treatments now available mean it is possible for a young person diagnosed with HIV today to have an estimated survival rate of approximately 30 years,” he says. Like Gilead, other top employers accentuate the positive aspects of the life science industry by performing their R&D in entirely new areas. “We’re very progressive in terms of our innovative approach to health care,” Gregory of Genzyme says. “We’re definitely trying not to be a me-too company.”

Lilly’s Paul points out the fundamental philosophy that garners a positive perception of the industry. “Put the patient first across the entire value chain, from R&D to marketing,” he advises. “If you come to work every day to do what’s right for patients and to develop drugs with that in mind, you’ll be successful.”

That approach reflects the attitude of survey takers to another aspect of the industry: the field’s attraction to scientists. The main advantage of working in the life science industry, respondents reported, is the chance to make a difference, by performing work that brings the reward of helping people. “One of the most important driving forces for individuals is being empowered to take responsibility for projects on an individual basis as part of a team,” Boehringer Ingelheim’s Schnorrenberg says. “We are striving to encourage scientists and coach them.”

Working in the life science industry is not without drawbacks. More than a quarter of the survey’s respondents reported that they are fairly likely, very likely, or extremely likely to seek a different job. Most quoted job insecurity as their reason. That stems in large part from corporate mergers and acquisitions, restructuring, and outsourcing.

Several top employers have a policy of minimizing those causes of uncertainty. “We are very conservative in our hiring,” Genentech’s Scheller says. “The good part is that we won’t have large layoffs. The downside is that, when a clinical trial works and promises large revenues, we have to stimulate our research very quickly.” Lilly has purposefully avoided major mergers and acquisitions. “We decided that we didn’t need to become too much larger through merging with a large company,” Paul says. “We will continue to grow organically through small mergers and acquisitions.”

A Stable Environment

Boehringer Ingelheim points out that its private ownership ship allows it to make long-term decisions without worrying about the next-quarter impact. “Many candidates I interview for jobs have been part of companies that have gone through mergers and acquisitions,” Nurnberger says. “They are always interested in Boehringer Ingelheim because they see a stable environment.”

Life science companies can’t always avoid some insecurity stimulated by change. For them, the guiding principle is to minimize personnel dislocations. “Our executive team has articulated a company strategy that puts acquisitions into the context of our mission,” Monsanto’s Padgette says. At Genzyme, Gregory adds, “We have done a number of mergers and acquisitions, but we have maintained our culture of innovation and collaboration. As we add new talent to our work force, we allow our people to stay with projects or to move on to suitable new projects. We are all working together toward the larger goal of making sure every patient who needs therapy is treated.”

EMD Serono and Millennium have the most recent experience of change, having undergone acquisition early in 2007 and in May 2008, respectively. “The acquisition [of Serono] allowed us to redefine processes, examine our pipeline and research initiatives, and define our core therapeutic areas,” Kirschbaum says. “As a result, we have a strong, attractive pipeline strategically aligned within the organization’s core objectives.” Before Takeda acquired Millennium, both companies made sure that they were, in Gansler’s words, “a great cultural fit.” Beyond that, he continues, “Takeda made it clear that the transaction was about growth and not synergies. They also made it clear how they valued Millennium’s employees, putting retention bonuses in place. So the issue of job security didn’t arise.”

Gilead’s Bischofberger defines the tightrope that corporate executives must negotiate as they plan the future. “This is certainly a dynamic and competitive industry, and change—good, bad, and in between—is constantly taking place and always will be taking place,” he says. “What is a constant for us is our focus on developing and delivering innovative treatments for unmet medical needs and making sure that our employees have a work environment that inspires a commitment to this mission.”

A former science editor of Newsweek, Peter Gwynne writes about science and technology from his base on Cape Cod, Massachusetts, USA.
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Tenure Track Faculty Position in Bacterial Pathogenesis

The Department of Microbiology and Immunology at the University of Louisville’s School of Medicine (http://louisville.edu/medschool/microbiology/) invites applications for a tenure track Assistant Professor in Bacterial Pathogenesis. The University of Louisville is undergoing a significant expansion in its microbiology and infectious disease research programs and provides an environment that promotes excellence in collaborative research. The successful candidate will hold a Ph.D. and/or M.D. and will be expected to develop an externally funded collaborative research program within our multidisciplinary and interactive team of microbiologists and will have access to state-of-the-art research technologies and infrastructure. The position will also involve participation in education, gradually phased in from 0% effort to 30% effort within a 6 year period, in the medical and graduate microbiology curricula. Preference will be given to applicants using molecular, cell biology, genomic, and/or proteomic approaches to define mechanisms of bacterial pathogenesis and bacteria-host interactions. Prior teaching experience is also beneficial.

Applicants must apply on-line at www.louisville.edu/jobs by attaching the following documents in a single PDF file: Cover letter, curriculum vitae, statements of research and teaching interests, and contact information for four references. Please select Job ID #22552. Review of applications will begin immediately, and continue until a successful candidate has been identified. For further inquiries, contact Jan Powars, janpowars@louisville.edu.

The University of Louisville is an Affirmative Action, Equal Opportunity, Americans with Disabilities Employer, committed to diversity and in that spirit, seeks applications from a broad variety of candidates.
The Centre for Molecular Medicine Norway, Nordic EMBL Partnership, University of Oslo.

The Centre for Molecular Medicine Norway (NCMM, www.ncmm.uio.no) was established in 2007 as a national partnership institution with the European Molecular Biology Laboratory (www.embl.org) together with similar centres in Sweden and Finland under the Nordic EMBL Partnership. NCMM is inaugurated as joint venture between the University of Oslo as host, the Research Council of Norway and Health Region South East.

NCMM is now seeking outstanding international candidates for the prestigious positions of:

**Group Leaders in Molecular Medicine**

Group leaders are expected to relocate to NCMM and initiate a new research program as part of the new Nordic EMBL Partnership for Molecular Medicine. Assistance and financial support are provided for international or national relocation as necessary. The group leaders are nominated for a 5-year term, which is renewable for up to 5 additional years. We expect to hire 2 – 3 new principal investigators through this call and particularly encourage international applicants.

NCMM provides attractive sustainable support packages for new international group leaders of up to 1.5 – 1.8 M Euro over the five year period. This includes salaries of the group leader, postdoctoral fellow, doctoral student and technician, consumables and modern laboratory facilities. The candidates are expected to complement this budget through other national or international grants and/or through industrial collaborations. NCMM scientists will be supported by excellent in-house research infrastructures: www.biotech.uio.no; www.cmbn.no and enjoy access to the local research community’s infrastructures, see technology platforms at UIO: www.embio.uio.no and Rikshospitalet: core.re-search.no, national research infrastructures: www.fuge.no and international capabilities provided by EMBL.

The need to strengthen translational aspects of research in Norway is recognized both in the research community and politically and there is a strong willingness to closely integrate, coordinate and colocализate basic and clinical research activities including NCMM. See also Genome Technology June 2008 and Nature Biotechnology August 2008 for description of the research community in Oslo.

Qualification requirements include a MD/PhD, PhD or equivalent degree, appropriate postdoctoral training, experience with supervision and a track-record of high-impact publications in top journals of biology or medicine. In addition, considerable weight will be put on the research plan proposed by the candidate and on how this will integrate and synergize with the activity of possible clinical collaborators in the region. Group leader positions are intended for early-stage independent investigators, comparable with the assistant or associate professor level, with the latter group expected to show experience in scientific leadership and a track record for attracting significant independent funding.

Successful candidates are expected to initiate a new independent research program with a clear relevance to molecular medicine and disease mechanisms in indicated areas and with significant translational opportunities. To facilitate translation and collaboration, NCMM plans for all group leaders to have adjunct appointments in university hospital departments. Furthermore, we expect multi-disciplinary research collaborations with other NCMM research groups, with the internationally recognized biomedical and medical research environment in Oslo, as well as with other top Norwegian scientists, including the Centres of Excellence: www.rcn.no of the Research Council of Norway.

Applications should include a covering letter summarizing the applicant’s career, past research accomplishments and future plans (1-2 pages), CV and a list of publications (with 5 most significant publications indicated), a short research plan (max 3 pages) with a summary of expected translational, medical or public health impact, and names of three references. University of Oslo is an equal opportunity employer and female and minority candidates are encouraged to apply.

The top candidates are invited to visit Oslo in February for a lecture and discussions, and to provide a more detailed research plan as well as Letters of Reference. An International Search Committee will evaluate the candidates and their research proposals. Identification of and meetings with possible clinical collaborators in the region will also be organized by NCMM. The first candidates may be nominated in February/March with an anticipated starting date in the summer of 2009, or at the latest by the end of the year.

The positions are included in the Norwegian health insurance and retirement pension schemes and will be placed as SKO (Position Code) 1110 Scientist or as SKO 1183 Scientist, depending on qualifications and with salary ranges:

- SKO 1110, step (lr.) 65-84 (NOK 505 400 – 785 600)
- SKO 1183, step (lr.) 71-89 (NOK 567 400 – 899 800)

For further information please contact Director, Professor Kjetil Taskén (director@ncmm.uio.no) or Chair of the Board, Professor Ragnhild A. Lothe (chair@ncmm.uio.no) or visit our website www.ncmm.uio.no for details of the call for group leaders. Applications should be addressed to the Director of NCMM and sent electronically as a single pdf-file to the Centre for Molecular Medicine Norway at recruitment@ncmm.uio.no to arrive no later than November 5, 2008 marked REF. NO.: 2008/17027.
Sallie Rosen Kaplan Fellowship for Women in Basic, Clinical, Epidemiological Or Prevention Science

The Sallie Rosen Kaplan Fellowship for Women Scientists in Cancer Research is made possible by a generous bequest to the Foundation for NIH (FNIH). This is a competitive program for postdoctoral fellows applying to train in any of the National Cancer Institute’s intramural research settings, including basic, clinical, epidemiological, and prevention science.

The postdoctoral fellowship experience at the NCI can serve as a first postdoctoral training assignment, or offer more experienced postdoctoral scientists an opportunity to further their training in more advanced methods, to acquire new research capabilities, to make changes in the direction of their research, or to receive training in fundamental sciences and clinical disciplines for the purpose of enhancing the transfer of biotechnology to cancer clinical programs.

Program duration is normally 2 to 5 years. Fellows will be supported by a Cancer Research Training Award (CRTA), with an augmented stipend in the first year provided by the FNIH. The CRTA Fellowship stipend range is $46,200 to $78,000 commensurate with level of experience. Standard self and family health insurance is provided and high option coverage is available.

Candidates for the Sallie Rosen Kaplan Fellowship must be female, must possess a doctoral degree, and must have less than 5 years postdoctoral research experience. U.S. citizenship or U.S. permanent residency (green card) is required. Finalists for the Kaplan fellowship will be notified by March 2009 and winners announced by May 2009. To be eligible for the Sallie Rosen Kaplan Fellowship award, the starting date of any NCI fellowship must be no earlier than December 15, 2008. Applicants are required to apply online at http://www.training.nih.gov/postdoctoral/ by December 12, 2008.

Bioinformatician Position

We seek a bioinformatician with a strong record of collaborative interactions with biologists. The successful candidate must possess an M.S. or Ph.D. degree in bioinformatics, computational biology, computer science, or a related field. The position requires the applicant to possess a solid set of programming skills (e.g. R, Python, Perl) and a desire to work with large data sets generated by a wide range of techniques including next generation sequencing, microarray analysis, mass spectrometry, and high throughput screening. Statistical and database management training is highly desirable. The successful applicant will be integrated into and provide support for a small six-laboratory group with wide interests in applying computational techniques to answer questions in cell and developmental biology.

Interested individuals should send a cover letter including relevant experience, curriculum vitae with list of publications, and the names and contact information of three references via e-mail to Dr. Elissa Lei leielissa@niddk.nih.gov at the National Institutes of Health in Bethesda, MD. Applications will be reviewed upon receipt, and selected candidates will be contacted for a personal interview. Contact info: Elissa Lei, Ph.D., leielissa@niddk.nih.gov.

Postdoctoral Position

Endocrinology: Role of G Protein-Coupled Receptors in Obesity And Diabetes

A postdoctoral position is available to study the potential role of different G protein-coupled receptors (GPCRs) and G protein-mediated signalling pathways in type 2 diabetes in obesity. The project will involve the generation and use of inducible transgenic mice and conditional knockout mice that lack specific GPCRs in distinct metabolically relevant cell types, such as pancreatic beta-cells, hepatocytes, myocytes, and certain subsets of hypothalamic neurons. Mice will be analyzed by physiological/pharmacological, molecular, and biochemical techniques. Physiological studies will involve the analysis of glucose and energy homoeostasis, control of body weight, food intake, and insulin release (among others). Background in mouse physiology/pharmacology and experience with genetically modified mice is essential. Basic molecular biological skills are also required.

To apply, send a cover letter including relevant experience, curriculum vitae with list of publications, and the names and contact information of three references to Dr. Elissa Lei leielissa@niddk.nih.gov at the National Institutes of Health in Bethesda, MD. Applications will be reviewed upon receipt, and selected candidates will be contacted for a personal interview. Contact info: Elissa Lei, Ph.D., leielissa@niddk.nih.gov.
Postdoctoral Positions
Eunice Kennedy Shriver

National Institute of Child Health and Human Development

Cell Cycle Regulation in the Drosophila Ovary
Mary Lilly, Ph.D., mlilly@helix.nih.gov
http://cbmp.nichd.nih.gov/uccr/index.html

Retrovirus Models in Yeast
Henry Levin, Ph.D., henry_levin@nih.gov
http://sete.nichd.nih.gov/index.htm

Molecular/Cell Biology of Neural Crest and Mesoderm in Vertebrate Development
Thomas D. Sargent, Ph.D., tsargent@nih.gov

Vascular Development in the Zebrafish
Brant Weinstein, Ph.D., WeinsteinB@mail.nih.gov
http://dir.nichd.nih.gov/Img/uvo/WEINSLAB.html

Electrophysiological Studies on Glutamate Receptor Gating
Mark Mayer, Ph.D., mayerm@mail.nih.gov
http://snb.nichd.nih.gov/index.htm

RNA Metabolism in Eukaryotes
Richard Maraia, M.D., maraiar@exchange.nih.gov
http://smcb.nichd.nih.gov/

Mouse Genetics – cAMP Signaling Pathway and Tumors
Constantine A. Stratakis, M.D., D.Sc., stratak@mail.nih.gov
http://segen.nichd.nih.gov/index.html

Neuron-Glia Interactions
R. Douglas Fields, Ph.D., fieldsd@mail.nih.gov
http://nsdps.nichd.nih.gov

Microbial Pathogenesis - Analysis of Legionella pneumophila Virulence
Matthias Machner, Ph.D., machnerm@mail.nih.gov

Nucleosome Remodeling in Yeast
David J. Clark, Ph.D., clarkda@mail.nih.gov
http://clarklab.nichd.nih.gov/clark_bio.htm

Determination of Segment Identity in Drosophila
James Kennison, Ph.D., Jim_Kennison@nih.gov
http://tango01.cit.nih.gov/sig/DIG/kennison.html

Mammalian Germ Cell Development
Wai-Yee Chan, Ph.D., chanwy@mail.nih.gov
http://lcg.nichd.nih.gov/

Pediatric Obesity
Jack A. Yanovski, M.D., Ph.D., jy15i@nih.gov
http://eclipse.nichd.nih.gov/nichd/deb/ugo/ugo.htm

Human Genetic Syndromes
Forbes D. Porter, M.D., Ph.D., fdporter@mail.nih.gov
http://2007annualreport.nichd.nih.gov/smd.htm

Control of Gene Expression in the Pineal Gland
David C. Klein, Ph.D., kleind@mail.nih.gov
http://sne.nichd.nih.gov/index.html

Applicants must have less than five years of postdoctoral experience.
http://dir.nichd.nih.gov
W2-Professorship for Biochemistry
(tenure-track, initially for 6 years).

Candidates must have an outstanding record of internationally recognized research accomplishments in Cellular Biochemistry, ideally with a research emphasis on the molecular mechanism of genome expression and maintenance in S. cerevisiae. The research group is expected to contribute to the establishment of molecular systems biology at the LMU and to participate in the national cluster of excellence “Center for Integrated Protein Science Munich” (CIPSM).

Candidates are expected to conduct an independent research program that complements existing research efforts, to obtain extramural funding, and to participate in the innovative teaching program of the Center (lectures may be given in English). Primary selection criteria are research excellence, teaching ability and potential for scientific interactions. The Gene Center offers a stimulating and interdisciplinary research environment, and is committed to expand the research focus in the above area.

The tenure-track position is initially for six years and can be converted to tenure pending a positive evaluation after a minimum of three years. In exceptional cases, a tenured position can be offered directly.

The candidate must be younger than 52 years upon appointment to the position. Exceptions are possible.

The Ludwig-Maximilian-University of Munich seeks to increase the participation of women in research and teaching and invites qualified women to apply. The LMU offers a Dual Career Service. Handicapped candidates with identical qualifications will be given preference.

Applications should submit a curriculum vitae including a list of publications, a research summary with up to five relevant publications, and a summary of teaching activities in printed form before November 30, 2008 to Dekan der Fakultät für Chemie und Pharmazie, Prof. Dr. P. Cramer, Ludwig-Maximilians-Universität, Butenandstr. 5 - 13, 81377 Munich, Germany.
Faculty Positions at the University of Tennessee, Knoxville at the Interface between Mathematics and Biology

As part of a major initiative associated with the newly-formed National Institute for Mathematical and Biological Synthesis (NIMBioS), funded by the National Science Foundation, the U.S. Department of Homeland Security and the U.S. Department of Agriculture, the University of Tennessee, Knoxville (UTK) over the next three years is recruiting at least six new faculty members whose research interests are at the interface of mathematics/computation and biology. For all positions, evidence of outstanding research abilities and experience in collaborative, interdisciplinary research is expected. These faculty positions include:

(i) The Department of Ecology and Evolutionary Biology at UTK seeks to fill a tenure-track position in mathematical/computational ecology and/or evolution at the assistant professor level, to start August 1, 2009. A Ph.D. is required and post-doctoral experience is preferred. A commitment to excellence in undergraduate and graduate teaching is expected. Teaching responsibilities include graduate-level courses appropriate for mathematics and biology students. Attractive research areas include complex ecological or evolutionary systems, and integrative analysis at multiple spatial/temporal scales. We seek a creative colleague who has an innovative research program using mathematical and/or computational approaches to address fundamental questions in ecology or evolution. Interest in collaborating with empiricists is a plus. UTK has outstanding programs in mathematical/computational biology and offers an exciting environment for collaborative research with colleagues from other departments and Oak Ridge National Laboratory.

For information about the department visit http://eeb.bio.utk.edu. Candidates should apply to Dr. Louis J. Gross, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN 37996-1610. Applicants should send a CV, statements of research and teaching goals, and up to 5 reprints, and should arrange for three reference letters to be submitted. Electronic applications should be sent to Ms. Cheryl Lynn via e-mail: clynn@utk.edu. Applications will be reviewed beginning November 3, 2008.

(ii) We seek an outstanding researcher for a tenure-track position (level appropriate to experience) with a strong record of research in the mathematics and modeling of animal infectious diseases, to start August 1, 2009. A Ph.D. and/or D.V.M. is required and post-doctoral experience is preferred. A commitment to excellence in teaching is expected. Teaching responsibilities will include graduate-level courses appropriate for a diverse group of biology, mathematics, wildlife and veterinary students. We seek a creative colleague who has an innovative research program using mathematical and/or computational approaches to address fundamental questions in infectious disease ecology or evolution, as well as interest in collaborations with empirical researchers. UTK has an active interdisciplinary research group in epidemiology and offers an exciting environment for collaborative research with colleagues from departments in the Colleges of Arts and Sciences, Agricultural Sciences and Natural Resources, and Veterinary Medicine.

(iii) We seek outstanding colleagues for four additional tenure-track positions (level appropriate to experience) with strong records of research in fields at the interface of mathematics and biology that expand upon the current outstanding programs in mathematical ecology and evolutionary biology at UTK. A Ph.D. is required and post-doctoral experience is preferred. A commitment to excellence in teaching at both undergraduate and graduate levels is expected. Teaching responsibilities will include graduate-level courses in the area of the applicant that would be appropriate for a diverse group of biology and mathematics students. Biological areas of interest include, but are not limited to, biological networks, cell biology, host-pathogen-environment systems, and immunology.

The home departments for the faculty positions under (ii) and (iii) will be chosen as appropriate to the expertise of the individual, but could include the departments of Mathematics; Ecology and Evolutionary Biology; Biochemistry, Cellular and Molecular Biology; Microbiology; Forestry, Wildlife and Fisheries; the College of Veterinary Medicine; or various other departments in the College of Agricultural Sciences and Natural Resources and the College of Engineering. Applicants with extensive research experience and an internationally recognized record of accomplishment may be considered for a Governor’s Chair appointment (details at http://www.tennessee.edu/governorschairs/).

For information about these departments visit http://www.utk.edu and for information about NIMBioS visit http://NIMBioS.org. Candidates for positions under (ii) and (iii) should apply to Dr. Louis J. Gross, National Institute for Mathematical and Biological Synthesis, University of Tennessee, Knoxville, TN 37996-1610. Applicants should send a CV, statements of research and teaching goals, and up to 5 reprints, and should arrange for three reference letters to be submitted. Electronic applications should be sent to Dr. Gross via e-mail: gross@tiem.utk.edu. Applications will be reviewed beginning November 3, 2008.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.
The School of Applied and Engineering Physics at Cornell University is seeking applications for a tenure-track, assistant professor position. Consideration of applications for an associate or full professor level position may also be given to exceptionally well qualified individuals. Candidates must be able to demonstrate the ability to develop a highly successful independent research program in an area of applied physics and to participate effectively in the teaching of the applied physics curriculum at both the undergraduate and graduate level. Research areas of interest in this search include, but are not limited to, optics and photonics, biological physics, nanostructure science and technology, novel instrumentation methods, computational physics, and materials physics. Prospective candidates who wish to pursue interdisciplinary research efforts are strongly encouraged to apply. The successful applicant can expect a very competitive level of support for the start-up of a research program. Considerable institutional resources are available at Cornell that can strengthen this research program and support interdisciplinary and collaborative research ventures. The successful candidate can expect to benefit from association with one or more of Cornell’s interdisciplinary research centers, national facilities, and national resources, listed at http://www.engineering.cornell.edu/research/research-centers/. Applications consisting of a resume, a statement of teaching philosophy, a brief (3-page limit) statement of research interests, and the names and addresses of at least three references, should be submitted on-line at http://fast.aep.cornell.edu/. The application deadline is December 1, 2008.

The School of Applied and Engineering Physics and the College of Engineering at Cornell embrace diversity and seek candidates who will create a climate that attracts students of all races, nationalities and genders. We strongly encourage women and underrepresented minorities to apply.

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**University of Texas at Austin**

**Eukaryotic Molecular Biology Positions**

The Institute for Cellular and Molecular Biology, Alan Lambowitz, Director, invites applications for two tenure-track/tenured positions in eukaryotic molecular biology. Academic appointments at the level of Assistant, Associate, or Full Professor will be in an appropriate academic unit in the College of Natural Sciences. Candidates should have an outstanding record of research productivity and a research plan that utilizes molecular and biochemical approaches to address important problems in eukaryotic molecular biology. Areas of particular interest include but are not limited to chromatin structure, regulation of gene expression, microRNAs and RNA interference, DNA damage responses, and cell cycle control.

Building on a strong existing faculty, the Institute has recruited more than 50 new faculty members over the past ten years (see www.icmb.utexas.edu). In addition to its highly interactive and interdisciplinary research environment, the Institute provides administrative and financial support for the Graduate Program in Cell and Molecular Biology and state-of-the-art core facilities including DNA sequencing, mass spectrometry, electron and confocal microscopy, DNA microarrays, robotics, and mouse genetic engineering. A recently initiated MD-PhD program with the UT Medical Branch and the new Dell Pediatrics Research Institute further enhance the environment for basic biomedical research.

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


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**Tenure Track Position - Applied Physics – 09288**

Cornell University, located in Ithaca, New York, is an inclusive, dynamic, and innovative Ivy League university and New York’s land-grant institution. Its staff, faculty, and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university’s mission of teaching, research, and outreach.

The School of Applied and Engineering Physics at Cornell University is seeking applications for a tenure-track, assistant professor position. Consideration of applications for an associate or full professor level position may also be given to exceptionally well qualified individuals. Candidates must be able to demonstrate the ability to develop a highly successful independent research program in an area of applied physics and to participate effectively in the teaching of the applied physics curriculum at both the undergraduate and graduate level. Research areas of interest in this search include, but are not limited to, optics and photonics, biological physics, nanostructure science and technology, novel instrumentation methods, computational physics, and materials physics. Prospective candidates who wish to pursue interdisciplinary research efforts are strongly encouraged to apply. The successful applicant can expect a very competitive level of support for the start-up of a research program. Considerable institutional resources are available at Cornell that can strengthen this research program and support interdisciplinary and collaborative research ventures. The successful candidate can expect to benefit from association with one or more of Cornell’s interdisciplinary research centers, national facilities, and national resources, listed at http://www.engineering.cornell.edu/research/research-centers/. Applications consisting of a resume, a statement of teaching philosophy, a brief (3-page limit) statement of research interests, and the names and addresses of at least three references, should be submitted on-line at http://fast.aep.cornell.edu/. The application deadline is December 1, 2008.

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**Cancer Biology**

**University of Pennsylvania**

The Department of Cancer Biology at the University of Pennsylvania’s School of Medicine seeks candidates for an Assistant, Associate, and/or Full Professor position in the tenure track. Rank will be commensurate with experience. Applicants must have an M.D. and/or Ph.D degree and have demonstrated excellent qualifications in Education and Research.

The Department of Cancer Biology is an integral part of the University of Pennsylvania Abramson Cancer Center and the School of Medicine. Qualified applicants may have scientific interests and experience in any field of cancer biology, including but not limited to cancer stem cells, cancer genetics and genomics, tumor microenvironment, epigenetics, angiogenesis, cancer cell metabolism, and oncogenic signaling.

Responsibilities will include the development of an independent research program. Qualifications and experience in teaching are required.

The University of Pennsylvania is an equal opportunity, affirmative action employer. Women and minority candidates are strongly encouraged to apply.

Please submit CV, a cover letter, 3 reference letters, and a statement of research interests to:

Lewis A. Chodosh, M.D., Ph.D.
Professor and Chair, Dept of Cancer Biology
6th Flr, BRB II/III, 421 Curie Blvd, Phila, PA 19104
cbiorecr@mail.med.upenn.edu

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**Tenure-Track**

**Penn Genome Frontiers Professor**

The Penn Genome Frontiers Institute and the University of Pennsylvania School of Medicine seek candidates for an Assistant Professor position in the tenure track within one of the Medical School basic science departments. The ideal candidate would be performing multidisciplinary research using cutting-edge methods to study genomic-scale biological problems. Techniques of interest include live-cell and single-cell genomics, molecular and cellular imaging, and nanotechnology. Research programs at the frontiers of all areas of biomedical sciences are encouraged.

Successful applicants are expected to carry out an independent research program and participate in teaching and training programs. The University of Pennsylvania encompasses a vibrant and collegial group of genomics researchers. The primary faculty appointment will be in a basic science department within the School of Medicine and will be a member of the Penn Genome Frontiers Institute. In the cover letter, candidates should propose Basic Science Departments with close affiliation to their research. A list of departments can be found at http://www.med.upenn.edu/departments.html. Further information about this search and the Penn Genome Frontiers Institute is at: http://www.genomics.upenn.edu/.

Applicants should apply online with a cover letter, CV, description of research interests and up to three reprints as pdf files at http://www.genomics.upenn.edu/.

Applicants should also arrange for at least three letters of reference to be sent as directed by the application webpage. Review of applications will begin on November 15, 2008 and continue until the position is filled.

The University of Pennsylvania School of Medicine is an equal opportunity, affirmative action employer. Women and minority candidates are strongly encouraged to apply.

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**The University of Texas at Austin**

**Eukaryotic Molecular Biology Positions**

The Institute for Cellular and Molecular Biology, Alan Lambowitz, Director, invites applications for two tenure-track/tenured positions in eukaryotic molecular biology. Academic appointments at the level of Assistant, Associate, or Full Professor will be in an appropriate academic unit in the College of Natural Sciences. Candidates should have an outstanding record of research productivity and a research plan that utilizes molecular and biochemical approaches to address important problems in eukaryotic molecular biology. Areas of particular interest include but are not limited to chromatin structure, regulation of gene expression, microRNAs and RNA interference, DNA damage responses, and cell cycle control.

Building on a strong existing faculty, the Institute has recruited more than 50 new faculty members over the past ten years (see www.icmb.utexas.edu). In addition to its highly interactive and interdisciplinary research environment, the Institute provides administrative and financial support for the Graduate Program in Cell and Molecular Biology and state-of-the-art core facilities including DNA sequencing, mass spectrometry, electron and confocal microscopy, DNA microarrays, robotics, and mouse genetic engineering. A recently initiated MD-PhD program with the UT Medical Branch and the new Dell Pediatrics Research Institute further enhance the environment for basic biomedical research.

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

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

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

Apply.
The application deadline for the 2009-2010 AAAS Fellowships is 15 December 2008. Fellowships are awarded in the spring and begin in September. Stipends range from $70,000 to $92,000.

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

Full details at: fellowships.aaas.org
Chief Editor - *Nature Climate Change*

London

With a proven track record in climate-related research, preferably at a senior level you already have a strong grasp of the challenges, complexities and issues faced by researchers, policy makers and others working in this area. Now’s your opportunity to bring that knowledge to a high-profile new role - and lead the development of a new international monthly journal.

Launching in 2009, *Nature Climate Change* will provide in-depth coverage of news and research across both natural and social sciences. Our goal is to put this pioneering publication at the heart of current thinking as we unify interdisciplinary research that relates to the understanding and impact of climate change.

We need you to launch and establish *Nature Climate Change* as an essential journal for everyone involved in this area. Importantly, you will ensure the accessibility of published research, raising its visibility in related research communities - as well as the mainstream media and public.

Experience within an editorial environment would be welcomed, though it is not essential if you can bring a keen interest in the communication of science. Excellent managerial, presentation and interpersonal skills are also essential.

To apply, please send a covering letter (including your salary expectations) and CV to Denise Pitter at londonrecruitment@macmillan.co.uk

Please quote reference number: NPG/LON/958.

Closing Date: Friday 24th October 2008

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**FACULTY POSITION**

**Department of Biology**

Job Description: The School of Science at Rensselaer Polytechnic Institute is seeking exceptionally qualified scientists to work in an exciting, interdisciplinary environment as full-time tenure-track or tenured faculty at any rank (assistant, associate, or full professor) in the Department of Biology. The Department of Biology is in a period of rapid expansion with many new faculty appointments anticipated in the next five years. We are seeking candidates in a wide spectrum of areas in the biological sciences. The successful candidate must have a Ph.D. or equivalent degree, postdoctoral experience, and will be expected to establish an extramurally funded research program, train graduate students, and participate in undergraduate education. Applicants should email a single PDF document containing curriculum vitae, a three-page statement of research accomplishments and goals, and a brief description of teaching interests to biology-chair@rpi.edu. In addition, applicants should arrange to have at least three letters of recommendation forwarded by email. Consideration of candidates will begin upon receipt of applications and will continue until the position is filled.

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**Assistant Professor in Genetic Epidemiology**

The Division of Cardiovascular Medicine at Stanford University is recruiting a full-time junior faculty member in the University Tenure Line, to investigate the genetic basis of complex cardiovascular disease. The candidate will have completed rigorous training in population sciences, primarily epidemiology, and will have significant experience with designing, conducting, and analyzing data generated by association-based human genetics studies. Experience with the whole genome approach to association studies, and experience handling complex datasets from ethnically diverse study populations is highly desirable. The applicant will be expected to develop an independently-funded research effort focused in this area, and help with teaching activities in the division and the Department of Medicine. Appropriate resources will be made available to help the applicant develop their research program. It is highly desirable that the applicant have an MD degree, be trained in cardiology, and spend some time contributing to the patient care mission of the division, but exceptional PhD applicants will be seriously considered. Applicants appropriate for the Assistant Professor level at Stanford University will be considered. The predominant criterion for appointment in the University Tenure Line is a major commitment to research and teaching.

Applicants should send a curriculum vitae and names of three potential referees to: Faculty Affairs, Division of Cardiovascular Medicine, Stanford University School of Medicine, 300 Pasteur Drive, Stanford, CA 94305-5406.

Stanford University is an Equal Opportunity Employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and members of minority groups, as well as others who would bring additional dimensions to the university’s research, teaching, and clinical missions.

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*We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer’s work and campus communities. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.*
Tenure-Track Faculty Positions at Cornell

Gene Regulation, Population/Comparative Genomics, Computational Biology and Cellular Systems Biology

Cornell University announces four tenure-track faculty searches in the areas of genomics of gene regulation, population and comparative genomics, computational biology, and cellular systems biology. These new positions build on the university’s current strengths, and new faculty will have an opportunity to be associated with several new initiatives, including a new university-wide Center for Comparative and Population Genomics, co-directed by Andrew Clark and Charles Aquadro, and the Weill Institute for Cell and Molecular Biology, directed by Scott Emr. For general information about the life sciences at Cornell, please visit http://www.cornell.edu/lifesciences/.

GENOMIC APPROACHES TO THE STUDY OF GENE REGULATION – Assistant or Associate Professor - #09798

The Department of Molecular Biology and Genetics, Cornell University, invites applications for a tenure-track faculty position at the Assistant or Associate Professor level. We seek an individual using genomic approaches to study gene regulation, and who would synergize existing departmental strengths in genetics, comparative and population genomics, development, gene regulation, chromosome structure and replication. The ideal candidate will integrate both experimental and bioinformatic approaches. Individuals seeking an excellent integration of experimental, computational and comparative approaches using several model organisms will find Cornell a particularly rich environment in which to work (see, for example: www.mbg.cornell.edu, www.bsbc.cornell.edu, and www.icmb.cornell.edu). The position includes teaching of undergraduate and graduate students. An advanced degree (Ph.D., M.D., or equivalent) is required and postgraduate training is highly desirable. Candidates should submit electronically a CV, a 2-4 page research statement, a 1 page teaching statement, and copies of two papers, together as a single PDF file (max 5MB) to RLL2@cornell.edu and arrange for three letters of recommendation to be sent electronically to the same e-mail address. Questions can be addressed to Charles Aquadro or John Lis, co-chairs of the search committee (CFA1@cornell.edu or JTL10@cornell.edu). Application review begins on November 30, 2008.

POPULATION AND/OR COMPARATIVE GENOMICS – Assistant Professor - #09770

The Department of Biological Statistics and Computational Biology (BSCB) in the College of Agriculture and Life Sciences at Cornell University seeks candidates for a tenure-track position at the Assistant Professor level. We expect that the successful applicant will focus on developing and applying statistically rigorous methods to large-scale data analysis in population and/or comparative genomics, and will play a central role in the department’s program in research and teaching. BSCB is dedicated to the application of statistical, computational, and mathematical approaches to problems in modern biology (http://www.bsbc.cornell.edu). The department has broad strengths in statistics and computational biology, including comparative, evolutionary, quantitative, and population genomics, Bayesian and computationally intensive statistics, and machine learning. The department occupies a key position at the interface between the quantitative and biological sciences at Cornell and offers rich opportunities for collaborations with other investigators on the Ithaca campus, and at the Weill Cornell Medical College in New York City. Some of the research areas with particularly high potential for collaboration include: human genetics, agricultural genomics, canine genomics and other aspects of veterinary medicine, and evolutionary genomics of diverse organisms. Applicants should submit a cover letter, research statement (2-3 pages), statement of teaching interests (1-2 pages), and a curriculum vitae as well as 3-5 publications of particular relevance by emailing a single PDF file to bsbc_search2@cornell.edu (please limit to 15MB). Applications should also arrange for three letters of recommendation to be submitted directly to the same email address. Questions can be directed to Charles Aquadro, Chair of the Search Committee, at CFA1@cornell.edu. Applications will be reviewed beginning November 15, 2008.

COMPUTATIONAL BIOLOGY AND BIOINFORMATICS – Assistant, Associate or Full Professor

Applications are invited for a tenure-track position in Computational Biology in the Computer Science Department of Cornell University. Multiple positions are available, and depending on experience positions can be at the assistant, associate, or full professor level. Applicants must possess a Ph.D. in computer science or a Ph.D. in a mathematical, biological or physical science with enough expertise in computer science to fit within a CS department. The department requires demonstrated research abilities at the highest level as well as outstanding teaching ability and leadership qualities. Outstanding applicants in all areas of computational biology will be considered. We are especially interested in individuals developing novel algorithms and statistical approaches for research in areas including evolutionary, comparative, and population genetics and genomics; applications of new high-throughput sequencing and measurement technologies; the role of networks in biological systems; and analysis of dynamical behavior at the sub-cellular and cellular levels. To ensure full consideration, applications should be received by December 1, 2008, but will be accepted until all positions are filled. Applicants should submit a curriculum vitae and brief statements of research and teaching interests through the web at http://www.cis.cornell.edu/apply, and arrange to have at least three reference letters uploaded on the Web or sent to: Human Resources Office, Faculty Search, Department of Computer Science, 4130 Upson Hall, Cornell University, Ithaca, NY 14853-7501, or via email to freeruit@cs.cornell.edu.

CELLULAR SYSTEMS BIOLOGY – Assistant or Associate Professor - #09771

A faculty position is available at the assistant/associate professor level in the areas of computational cell biology and/or cellular systems biology, ideally with connections to applications to experimental analysis. The selected candidate will be jointly affiliated with the Department of Biological Statistics and Computational Biology (BSCB) and the Weill Institute for Cell and Molecular Biology, and must have interests and expertise consistent with both appointments. Applicants should have experience addressing fundamental questions in molecular or cell biology using rigorous, quantitative methods; should integrate bioinformatic and experimental components in their research. Training in both cell/molecular biology and a quantitative field such as statistics, computer science, or applied mathematics is ideal, but not required. Priority will be given to applicants who are using model systems and joint experimental/computational approaches to elucidate the molecular basis of cellular function, development, and evolution. The Weill Institute for Cell and Molecular Biology (http://www.icmb.cornell.edu) will initially consist of 12 faculty members housed in a recently completed $160M building (Weill Hall). Applicants should submit a curriculum vitae, a research plan (2-3 pages), and a statement of teaching interests, by emailing a single PDF file to bsbc_search@cornell.edu (please limit to 15MB). Applicants should also arrange for three letters of recommendation to be submitted to the same email address. Questions can be addressed to Andrew Clark (ac347@cornell.edu) or Scott Emr (sde62@cornell.edu). Applications will be reviewed beginning November 1, 2008. A fuller version of this position advertisement appeared in the September 12, 2008 issue of Science.

About Cornell – The main campus of Cornell University, which overlooks 40-mile long Cayuga Lake, is located in the Finger Lakes region of Upstate New York, a scenic environment of spectacular lakes, waterfalls, gorges, rolling hills, farmland, vineyards, and state parks. It is an area with outstanding recreational and year-round sports opportunities for individuals and families. The Cornell campus itself is one of the most beautiful in the country. As a private land-grant university that includes several state-assisted colleges and also is the state’s federal land-grant institution, Cornell comprises an unusually varied array of academic units. It is a member of the Ivy League. The Ithaca community is culturally diverse with excellent theater, music, sports, and other activities befiting a major university town yet has the warmth and friendliness of a small community. The area is known for its many bookstores and restaurants, an extensive walking trail system, arboretum, ornithology observatory, marina, farmers’ market, a hands-on Sciencenter, and art and science museums. For more information and links to individual attractions visit http://www.visithcaca.com/.

Cornell University, located in Ithaca, New York, is an inclusive, dynamic, and innovative Ivy League university and New York’s land-grant institution. Its staff, faculty, and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university’s mission of teaching, research, and outreach.

http://chronicle.com/jobs/profiles/2377.htm
The Professorship of Zoology and Headship of the Department of Zoology

The Board of Electors to the Professorship of Zoology invite applications for this Professorship from scholars of international standing whose research in the biological sciences is consistent with the current interests and strengths of the Department of Zoology, to take up appointment on 1 October 2010 or as soon as possible thereafter. You will have the opportunity to assume the Headship of the Department for a period of five years in the first instance.

Further information may be obtained from the Academic Secretary, University Offices, The Old Schools, Cambridge, CB2 1TT (email: ibse@admin.cam.ac.uk), to whom a letter of application should be sent, together with details of current and future research plans, a curriculum vitae, a publications list and form PD18 with details of two referees, so as to reach him no later than 14 November 2008.

Informal enquiries may be made to Professor Nick Davies (nbd1000@cam.ac.uk).

The University is committed to Equality of Opportunity.

Director of Center for Molecular and Clinical Immunology • Associate Professor/Professor

Stony Brook University Medical Center is seeking an experienced, highly motivated, visionary and dynamic immunologist for the position of Director of the new Center for Molecular and Clinical Immunology (CMCI). The Director of the CMCI should be committed to building a multidisciplinary and interactive center of excellence that focuses on molecular and clinical aspects of the immunology of inflammation, infection, and cancer. The successful incumbent will be responsible for the development of research programs and academic curricula as well as strategic planning that would foster national and international collaborations. In addition to the cutting edge research facilities such as the Proteomics and Genomics Center, the proposed CMCI will benefit from the presence of established Centers for Molecular Medicine, Cancer, Translational Research, and Infectious Diseases. We are particularly interested in applicants who will build an internationally recognized center of excellence, whose central goal is to foster top rate training programs for graduate students and postdoctoral fellows, in addition to the recruitment and retention of nationally and internationally recognized researchers. The position will be housed in the Health Sciences Center, and will be provided with substantial financial support and resources including modern laboratory space, funding for major equipment and support for the recruitment of additional research faculty members.

Required: M.D. and/or Ph.D. in Biomedical Sciences with an established record of mentoring students and trainees, and a record of maintaining a federally-funded Immunology research program. The successful incumbent must be eligible for a senior faculty appointment in accordance with the criteria established by the School of Medicine (www.stonybrookmedicinecenter.org/body/id/16336). Position requires a commitment to research, with the possibility of tenure, and to the training of graduate and postdoctoral fellows.

For a full position description, visit www.stonybrook.edu/jobs [Ref: 51270-D8-CA].

To apply, send a letter of application, a statement of vision and teaching philosophy, a curriculum vitae, and three letters of reference to:
Berhane Ghebrehiwot, D.V.M., D.Sc., Chair
Search Committee, Department of Medicine
Health Sciences Center, T-16, Room 040
Stony Brook University, SUNY
Stony Brook, NY 11794-8161

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MedImmune, Inc. is an Equal Opportunity Employer and does not discriminate on the basis of race, color, religion, gender, age, national origin, disability, veteran status, or any other characteristic protected by federal, state or local law.

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RESEARCH IN NEURODEGENERATIVE DISEASES:

CALL FOR STRATEGIC AWARD PROPOSALS

The Wellcome Trust and the Medical Research Council are pleased to announce a major new initiative to stimulate high-quality, collaborative research that will advance knowledge of neurodegenerative diseases through interdisciplinary approaches.

Up to £30 million is available to fund a limited number of high-quality interdisciplinary consortia to undertake research programmes that will focus on advancing our understanding of the biological processes underpinning neurodegenerative diseases, leading to early diagnosis and effective therapies.

Successful applications will be those that:

- create consortia comprising leading UK research groups (within or across institutions) – these may also include international researchers
- facilitate the use of interdisciplinary approaches to address key gaps in our knowledge of the biological basis of neurodegenerative diseases (e.g. neurophysiology, neuropsychology, clinical medicine, epidemiology, biochemistry and cell biology)
- catalyse the development of new approaches for early diagnosis and therapeutic interventions

Proposals are welcome from principal investigators based at academic institutions (including MRC Units) in the UK/RoI, who meet Wellcome Trust/MRC eligibility criteria and are recognised international leaders in their field.

Preliminary applications should be submitted by 12 December 2008; however, prospective applicants are invited to contact Dr Shewly Choudhury at the Wellcome Trust in the first instance to explore whether their proposal meets the criteria (s.choudhury@wellcome.ac.uk). This should be done well in advance of the deadline for preliminary applications.

Further information is available at www.wellcome.ac.uk/neurodegen/science

The Wellcome Trust is a charity registered in England, no. 210183. www.wellcome.ac.uk
Medical Research Council. www.mrc.ac.uk/ApplyingforaGrant/CallsForProposals
Tenure-Track Faculty Position
Pathobiology
University of Maryland Biotechnology Institute

The Center for Biosystems Research (CBR) invites applications for a tenure-track, research-primary faculty position at the Assistant Professor level in pathobiology. The position will be available by Fall 2009. Current areas of research in pathobiology within CBR include molecular mechanisms of virulence, host defense regulatory pathways, and mechanisms of pathogen transmission. Candidates must have Ph.D. in the biological sciences with demonstrated ability to do exceptional research in pathobiology with relevance to biotechnology. Applicants should have strong research programs that address fundamental and practical problems related to biotechnology. Attractive areas of research include, but are not limited to, studies of pathogens, parasites, vectors and their interactions; receptor-mediated endocytosis and cellular trafficking in host defense; and host repair and regeneration in response to infection.

CBR is one of four research centers of the University of Maryland Biotechnology Institute (http://www.umbi.umd.edu/cbr/), UMBI’s mission is to conduct groundbreaking research in key areas of biotechnology, to make fundamental discoveries, generate innovative solutions to practical problems, and develop new technologies for commercial application. This position is to be located on the University of Maryland Shady Grove campus in a new 140,000 ft² research facility with capabilities to accommodate diverse research programs requiring bio-containment (BL3), small animals, plant growth needs (growth chambers and greenhouse) and transgenesis (insects and plants). These facilities add to outstanding resources available to the National Institutes of Health, National Institute of Standards and Technology and the U. S. Department of Agriculture research campuses.

The investigator is expected to establish an outstanding, extramurally funded, independent research program, to make fundamental discoveries, generate innovative solutions to practical problems, and develop new technologies for commercial application. This position is to be located on the University of Maryland Shady Grove campus in a new 140,000 ft² research facility with capabilities to accommodate diverse research programs requiring bio-containment (BL3), small animals, plant growth needs (growth chambers and greenhouse) and transgenesis (insects and plants). These facilities add to outstanding resources available to the National Institutes of Health, National Institute of Standards and Technology and the U. S. Department of Agriculture research campuses.

Applicants must understand the challenges of undergraduate and graduate teaching and mentoring and provide vision and leadership in building new programs, interdisciplinary research, and administrative operations towards developing a nationally prominent departmental program at USU. The applicant is expected to have excellent interpersonal and communication skills and financial and budget management experience.

For questions contact: Daryll B. DeWald, Chair of Search Committee, 435.797.1909 or dewald@biology.usu.edu or Jon Y. Takekoto, Search Manager, 435.797.0671 or jon@biology.usu.edu. For full position description visit: http://www.usu.edu/cbr/. For information and to apply online visit: https://jobs.usu.edu/science/. For information and to apply online visit: https://jobs.usu.edu (Administrative Position Req ID #051529)

AA/EOE

Faculty Opportunities at the Interface of Biochemistry and Bioclinical Science

The Departments of Biochemistry and Molecular Biology, Surgery, Medicine, and Radiation Oncology at the University of Chicago invite applications from investigators working at the biochemical-clinical science interface for two tenure track faculty positions. Rank will be determined by qualifications. We seek creative, independent, and collaboratively minded scientists who are actively pioneering novel approaches and technologies to be applied within the continuum of molecular and clinical experimentation. Areas of interest include but are not limited to synthetic biology, structural biochemistry, analysis of mechanisms of biological signaling and transport, analysis of protein association and aggregation, synthesis of self-assembling bioartificial materials, cell-matrix interactions, and other important biological problems. Ph.D. or M.D. with postdoctoral experience required.

Primary appointment will be in the Department of Biochemistry and Molecular Biology with secondary appointment in one or more of the clinical departments. Successful candidates will be provided with a generous start-up package and research space in the newly constructed Knapp Center for Biomedical Discovery, and will be expected to develop a well-funded robust and collaborative research program. Applicants must include curriculum vitae, list of publications, summary of past accomplishments, and plan for future research. Applicants must also arrange for three letters of reference to be directly sent. Please submit applications and letters by December 15, 2008 to: Chair, Faculty Search Committee, Department of Biochemistry and Molecular Biology, 929 E. 57th Street, Room W225, Chicago, IL 60637.

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

Head, Department of Chemistry and Biochemistry
Utah State University

Utah State University seeks applications for the position of Head, Department of Chemistry and Biochemistry. Applicants must have a PhD or equivalent in Chemistry, Biochemistry or a related field, and an excellent record of academic experience and research productivity at a teaching and research institution. Applicants must be eligible for the rank of tenured full professor. The applicant must understand the challenges of undergraduate and graduate teaching and mentoring and provide vision and leadership in building new programs, interdisciplinary research, and administrative operations towards developing a nationally prominent departmental program at USU. The applicant is expected to have excellent interpersonal and communication skills and financial and budget management experience.

For questions contact: Daryll B. DeWald, Chair of Search Committee, 435.797.1909 or dewald@biology.usu.edu or Jon Y. Takekoto, Search Manager, 435.797.0671 or jon@biology.usu.edu. For full position description visit: http://www.usu.edu/cbr/. For information and to apply online visit: https://jobs.usu.edu/science/. For information and to apply online visit: https://jobs.usu.edu (Administrative Position Req ID #051529)

AA/EOE

Presidential Professorship in Computational Biology
LOYOLA MARYMOUNT UNIVERSITY

The Frank R. Seaver College of Science and Engineering at Loyola Marymount University (LMU) seeks candidates for a Presidential Professorship in Computational Biology. Candidates must have a distinguished record in teaching and research and a clear vision for providing leadership in interdisciplinary educational and research programs in Computational Biology. The ideal candidate, one who shares the mission of the University and its commitment to building an intercultural community, will receive an appointment in Biology at the rank of Professor. Exceptional candidates at the rank of Associate Professor and joint appointments will also be considered. Our faculty’s current and emerging research interests include gene regulatory networks, genome annotation, biological databases, systems biology modeling, quantitative ecology, microbial diversity, and open source software development. The individual we are seeking will broaden and complement our current interests and expertise, and will provide leadership in the undergraduate degree programs as well as the recruitment of additional faculty to strengthen crosscutting interactions among our departments. The successful candidate will be housed in a new science building that is currently under design. Requirements for the position include a Ph.D. in Computational Biology, Biology, or a relevant, related discipline.

Applicants are requested to send a letter of application, curriculum vitae, vision statement for the position, and three letters of reference. Review of applicants will begin on February 2, 2009. Materials should be sent to: Computational Biology Search Committee, Department of Biology, Loyola Marymount University, 1 LMU Drive, MS 8220, Los Angeles, CA 90045-2659. For additional information, contact Dr. Jeff Sanny, jsanny@lmu.edu, 310-338-2823 or Dr. Philippa Drennan, pdrennan@lmu.edu, 310-338-7776.

Loyola Marymount, a comprehensive university in the mainstream of American Catholic higher education, seeks professionally outstanding applicants who value its mission and share its commitment to academic excellence, the education of the whole person, and the building of a just society. LMU is an Equal Opportunity Institution actively working to promote an intercultural learning community. Women and minorities are encouraged to apply.

Visit www.lmu.edu for more information.
SERVIER is France’s 1st pharmaceutical group employing 20 000 people worldwide, and has achieved a consolidated turnover of € 3.5 billions.

Our success depends upon the dynamism of our research directed towards the discovery of new drugs, mainly in metabolic, cardiovascular, neuroscience and oncology diseases.

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To strengthen the potential of our research institutes we are offering challenging positions of responsibility in our teams to experienced research scientists.

Working in synergy with all disciplines within R + D, you will contribute to the definition of novel and innovative strategies, targeting discovery of new treatments in the fields of :

- Cardiovascular disease
- The Neurosciences
- Cancer

M/F. You are a Medical Doctor or Pharmacist and have completed your degree with a doctorate, or you have a PhD in Biology, Pharmacology, or Medicinal Chemistry.

You have a proven track record in international research in an academic environment as well as several years within the pharmaceutical industry.

You have an international reputation for research excellence, and can show evidence of research productivity. You have an in-depth knowledge of the drug discovery process, and are recognised for your creativity.

You are a team player, and the sharing of your passion for research and drug discovery inspires your work.

The research laboratories are situated in the Paris region.

If you are self motivated, possess good interdisciplinary team working skills, and have good communication talents, and wish to develop your potential in our company.

To apply, please send your application (cover letter and CV), quoting reference SCGB, to :

Garlone VIOLLE - SERVIER, 11 rue des Moulineaux 92150 Suresnes FRANCE

e-mail : valerie.pesenti@fr.netgrs.com

Faculty position
Molecular Cardiovascular Biology

The Division of Molecular Cardiovascular Biology at Cincinnati Children’s Hospital Medical Center is initiating a search for a tenure track position at the Assistant, Associate or full Professor level. The successful candidate will have a PhD, MD or MD-PhD degree and at least two years of post-doctoral research experience. The Division occupies outstanding new research space in a state-of-the art, 450,000 ft² building that opened in December, 2007.

Division faculty may join the multi disciplinary graduate program in Molecular and Developmental Biology. The applicant will have a demonstrated track record in one or more of the following areas: molecular aspects of cardiogenesis, normal or abnormal heart development and function, the genetic basis of cardiovascular disease, cardiac signaling, molecular approaches to cardiac physiology, gene regulation, or the application of global approaches to the cardiovascular system.

The successful applicant will be joining a highly productive and interactive faculty. Ample laboratory space in the new building and a generous multi-year start-up package will be provided. Applications should include a comprehensive curriculum vita, the names of three references, a summary of past research and future research plans. Applications should be emailed to: Jeff.Robbins@chm.org

Cincinnati Children’s Hospital Medical Center is an Equal Opportunity Institution. Women and minorities are encouraged to apply.
Harvard Medical School
Assistant Professor
High Resolution Approaches to Study Macromolecular Machines

The Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School seeks to appoint colleagues whose research concerns the molecular structures, interactions, and mechanisms underlying cellular function. We are especially interested in finding faculty with expertise in using high-resolution methodologies to probe structure/function relationship of macromolecular machines. Areas of interest range from single-molecule approaches and novel optical methods for probing structure and function in vitro and in living cells to use of x-ray crystallography for studying targets and mechanisms of action of modern therapeutic interventions.

These appointments will be made in conjunction with the Center for Molecular and Cellular Dynamics, which provides infrastructure for laboratories at Harvard Medical School and its affiliated hospitals, as well as for groups at the Harvard campus in Cambridge.

Interested candidates should submit a CV, a 3 to 5 page statement of research interests, and have 4 letters of recommendation sent to:
Stephen C. Harrison, Search Committee Chair
e/o Stephanie Biggs
Biological Chemistry and Molecular Pharmacology
Harvard Medical School
240 Longwood Ave., C-214
Boston, MA 02115

Application deadline is December 1, 2008.

Harvard University is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Faculty Position in Pharmaceutical Sciences
Department of
College of Pharmacy - Glendale

The Department of Pharmaceutical Sciences invites applications for a 12-month, tenure track position at the rank of assistant/associate professor. The Department of Pharmaceutical Sciences encompasses the disciplines of physiology, pathophysiology, pharmacology, pharmacokinetics, medicinal chemistry, and pharmacology. Applicants should possess a Ph.D. degree in pharmacology or in a related discipline. Candidates with postdoctoral experience or an active research program will be given preference. A professional degree in pharmacy is desirable but not required. The successful candidate must demonstrate a commitment to quality teaching, scholarship, be highly motivated, a team player and have a constructive and cooperative approach to faculty and institutional affairs. Faculty members will be expected to participate in the activities of the Department of Pharmaceutical Sciences and team teach in integrated courses with the Department of Pharmacy Practice. Engagement of students in research and the establishment of an active research program are expected. Candidates with research interests that involve applications of nanoscience are especially encouraged.

The position is available immediately. Application review will continue until the position is filled. Applicants should submit a personal statement describing his/her teaching philosophy and research interest/experience, curriculum vitae, and names, addresses, telephone numbers and e-mail addresses of at least three references. Midwestern University College of Pharmacy-Glendale is located on a picturesque 140 acre campus in the greater Phoenix area. Applicants should send information to: Craig Johnston, Ph.D. Chair, Department of Pharmaceutical Sciences, College of Pharmacy – Glendale, Midwestern University, 19555 N. 59th Avenue, Glendale, AZ 85308, telephone: 623-572-3575; e-mail: cjohns@midwestern.edu.

Midwestern University is an Equal Opportunity Employer.

SCHOOL OF PUBLIC AND ENVIRONMENTAL AFFAIRS
INDIANA UNIVERSITY-BLOOMINGTON CAMPUS
Tenure Track Faculty Position in Environmental Science

The School of Public and Environmental Affairs at Indiana University – Bloomington invites applications for a tenure-track faculty position in the modeling of human activities on the environment. The appointment is expected to be at the Assistant Professor level, but a more senior appointment is possible for an exceptionally qualified candidate. Preference will be given to individuals with interests in integrated assessment of global climate change, ecosystem processes at several temporal and spatial scales, geographic information systems, life-cycle analysis, comparison of energy systems, and/or remote sensing. Collaborating with scientists in other disciplines on the IUB campus is encouraged, and a new multidisciplinary science building with state-of-the-art laboratories is currently under construction. The successful applicant will establish an independent, externally funded research program and will teach effectively at the undergraduate and graduate levels. Applicants should have a doctoral degree in environmental science, applied mathematics, engineering, ecology or a related field. Post-doctoral research experience is preferred.

SPEA is a multidisciplinary, university-wide division of Indiana University and is organized as a professional school committed to excellence in research, teaching, and service and to addressing critical issues of environmental science and policy.

Review of applications will begin November 1, 2008 and continue until the position is filled. Please submit a letter of application, current vita, complete contact information, and three letters of recommendation to: Dr. David Reingold, Associate Dean –Bloomington, SPEA, Room 300, 1315 E. Tenth Street, Indiana University, Bloomington, IN, 47405-1701.

For more information see:
http://www.iu.edu/~speaweb/about/employment.php

Indiana University is an Equal Opportunity/Affirmative Action Employer, Educator and Contractor, M/F/D and strongly committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of women, persons of color, applicants with disabilities and members of other underrepresented groups.
The Life Sciences Institute and the University of Michigan Medical School invite applications for tenure track assistant professor positions. We are seeking outstanding scholars, with Ph.D., M.D. or equivalent degrees and relevant postdoctoral experience, who show exceptional potential to develop an independent research program that will address fundamental issues in any aspect of stem cell biology. Applicants who have already established successful independent research programs will be considered for tenured associate professor or professor positions.

Applicants should send a curriculum vitae, copies of up to three reprints, a one- to two-page summary of research plans, and arrange to have three letters of reference sent directly by October 31, 2008 to: Stem Cell Search Committee, c/o Rebecca Fritts, Life Sciences Institute, University of Michigan, 210 Washtenaw Avenue, Ann Arbor, Michigan, 48109-2216.

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

COLUMBIA UNIVERSITY

Department of Pathology and Cell Biology

Division of Cell and Molecular Biology

CELL BIOLOGIST

Tenure-track faculty positions are available in the Division of Cell and Molecular Biology at the junior and senior levels (Professor-, Associate-, and Assistant-level) in basic and disease-related aspects of cell biology. Successful candidates would complement a growing cell biology community with strengths in cellular neuroscience, cell migration and division, and diverse aspects of cell dynamics. The recently combined Department of Pathology and Cell Biology includes the largest concentration of cell biologists at Columbia University, and has extensive additional interactions through graduate programs and joint meetings with the rest of the cell biology community at Columbia and throughout New York City. Areas of interest include advanced approaches to cell imaging, cell cycle, vesicular and nuclear trafficking, the biology of disease genes, cellular neurobiology, neurodegeneration, and host-pathogen cell biology, though candidates with expertise in other areas will also be considered. Ph.D. or M.D. degree required.

Candidates should submit one copy of a CV with 3-page summary of research background and plans to Richard B. Vallee, Department of Pathology and Cell Biology, P&S 15-409, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, NY 10032.

Deadline for submissions is November 15, but applications will be evaluated as they are received. Additional information may be obtained at www.pathology.columbia.edu/facultyrecruit/

Columbia University is an equal opportunity/affirmative action employer.
Office of the Science and Technology Adviser to the Secretary of State

Jefferson Science Fellowship

The National Academies is pleased to announce a call for nominations and applications for the 2009 Jefferson Science Fellows program. This program establishes a new model for engaging the American academic science, technology and engineering communities in the formulation and implementation of U.S. foreign policy. Jefferson Science Fellows will spend one year at the U.S. Department of State in Washington, D.C. and may periodically travel to U.S. foreign embassies and/or missions. Jefferson Science Fellow awards are open to tenured academic scientists, technologists and engineers from U.S. institutions of higher learning. Nominees/applicants must be U.S. citizens and will be required to obtain a security clearance.

Detailed information on the Jefferson Science Fellows program is available on the web:

www.national-academies.org/jsf

The deadline for nominations and applications for the 2009 program year is January 15, 2009.

The Jefferson Science Fellows program is sponsored by the U.S. Department of State.

THE NATIONAL ACADEMIES
Advisors to the Nation Science, Engineering, and Medicine

ASSISTANT PROFESSOR
REPRODUCTIVE NEUROENDOCRINE PHYSIOLOGY

The Department of Obstetrics and Gynecology invites applications for a scientist position in REPRODUCTIVE NEUROENDOCRINE PHYSIOLOGY at the ASSISTANT PROFESSOR level. Qualified candidates will have demonstrated research expertise in reproductive neuroendocrine physiology, with a focus on molecular and cellular research in OBESITY. Applicants must have a Ph.D. and/or M.D. degree, postdoctoral training, excellent communication skills, and a strong record of peer-reviewed publications. The successful candidate will be expected to develop active and synergistic research collaborations with other endocrine researchers in both the basic science and clinical departments of the Faculty of Medicine. The candidate is expected to develop an extramurally funded research program and to participate in the teaching mission of the Department. This would include teaching at the undergraduate and postgraduate levels. The appointment is probationary tenure track with a salary attached, though the candidate should anticipate applying for external salary support from appropriate granting agencies. We have an excellent research unit that includes tissue culture, realtime RT-PCR, immunohistochemistry, as well as a good animal facility. Opportunities for a joint appointment with the Department of Physiology and the Division of Endocrinology, Department of Medicine are available.

Interested applicants should submit a curriculum vitae along with a brief description of research experience and interests, teaching experience, and arrange to have three letters of reference, two of which must be academic, sent directly to: B. Anthony Armon, Professor and Head, Department of Obstetrics and Gynecology, Dalhousie University, 5980 University Ave., Halifax, NS B3K 6R8.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Dalhousie University is an Employment Equity/Affirmative Action Employer. The University encourages applications from qualified Aboriginal people, persons with a disability, racially visible persons and women.

Slippery Rock University of Pennsylvania invites applications for two tenure-track positions (Plant Biologist and Cell Biologist) in the Department of Biology beginning August 2009.

Specialized teaching responsibilities for Plant Biologist: Survey course in general botany (including vascular and nonvascular plants, fungi and algae), other plant-related courses taken by biology majors (possibly including plant physiology, field botany, plant systematics and plant anatomy). Preference will be given to applicants with teaching experience in plant science.

Specialized teaching responsibilities for Cell Biologist: Advanced course in cell biology and contribution to other courses (e.g. molecular biology) taken by biology majors. Preference will be given to applicants with teaching experience in cell biology.

General duties and expectations for both positions: Teach non-major courses for the Liberal Studies Program with a commitment to excellence in teaching in a liberal arts setting, establishment of a productive research program in the candidate’s area of expertise that can involve undergraduates, and contribution to department, college and university committees. The department expects faculty to conduct research leading to publication in peer-reviewed, professional journals in the applicant’s area of expertise.

Qualifications for both positions: Ph.D. in biological science earned by July 1, 2009, evidence of teaching effectiveness, professional competence, and ability to work productively with students and colleagues are required. The applicant must demonstrate a commitment to the education of diverse populations. Successful performance in an on-campus interview, including teaching and research presentations, is required. At least one year of undergraduate teaching experience preferred.

Send letter of interest, curriculum vitae, statement of academic philosophy and research goals, teaching evaluations, graduate and undergraduate transcripts (official transcripts will be needed before hiring), and three letters from professional references to appropriate search chair given below (electronic applications will not be accepted): Dr. Mark Shotwell/Plant Biologist Search or Dr. Jack R. Layne, Jr./Cell Biologist Search, Department of Biology, Slippery Rock University of Pennsylvania, Slippery Rock, PA 16057; Ph: 724-738-2023; Fax: 724-738-4782. Review of applications will begin by December 1, 2008 and continue until position is filled. Background investigation required for employment. Visit our web page at www.sru.edu.

Vanderbilt University is an Affirmative Action/Equal Opportunity Employer: Women and minority candidates are encouraged to apply.

FACULTY POSITION IN BACTERIAL PATHOGENESIS
Division of Pediatric Infectious Diseases
Department of Pediatrics
Vanderbilt University School of Medicine

The Division of Pediatric Infectious Diseases at Vanderbilt University School of Medicine invites applications for a tenure-track faculty position in bacterial pathogenesis at the Assistant or Associate Professor level (MD, MD/PhD, PhD). Successful candidates will be expected to establish and maintain independent research programs and participate in teaching of graduate and medical students. Candidates should have substantial post-graduate training highlighted by peer-reviewed publications that demonstrate research productivity.

Applicants should send a curriculum vitae, a statement of current and future research interests, and three letters of recommendation to:

Bacterial Pathogenesis Search Committee
e/c Christine Goldsberry
Division of Pediatric Infectious Diseases
Vanderbilt University School of Medicine
Room D-7235, Medical Center North
1161 21st Ave. South
Nashville, TN 37232-2363

Inquiries, applications, and recommendation letters can be directed via email to christine.goldsberry@vanderbilt.edu. The deadline for receipt of applications is December 31, 2008.

Vanderbilt University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.
Career Opportunities for Young Scientists

The Ruhr University Bochum, one of Germany’s leading research universities, in cooperation with Stiftung Mercator plans to establish the Mercator Research Group “Structure of Memory”. Three young professors will be appointed and given the opportunity to form an independent research team. We invite applications from postdocs, assistant professors and associate professors for the

Professorship: Functional Architecture of Memory

Professorship: Neurobiology of Memory

Professorship: Theory of Memory/Neurophilosophy

We are looking for:
- excellent young scientists at an early stage of their career with a qualification profile to do independent research

We offer:
- full independence
- an attractive salary (W2 professor level), initial appointment for 6 years
- state-of-the-art infrastructure, equipment and excellent budget
- secretariat
- the privilege to invite senior/emeritus scientists as mentors and guest researchers
- embedding in cutting-edge neuroscience, cognitive psychology, medicine, neurobiology, or neurophilosophy

For further information, see: www.rub.de/mrg

Please send your application (subject: “Structure of Memory”) containing a curriculum vitae, list of publications, statement of research interests and track record, electronically by 31st October 2008 to rektor@rub.de.

Selected candidates will be invited to participate in a scientific colloquium 16th January 2009–18th January 2009.

The Ruhr University Bochum seeks to increase the participation of women in areas in which they are currently underrepresented and therefore explicitly urges women to apply. Disabled persons with equivalent aptitude will be favoured.
CANCER BIOLOGIST
THE BEN MAY DEPARTMENT FOR CANCER RESEARCH
THE UNIVERSITY OF CHICAGO

The University of Chicago is seeking applicants for a tenure-track position at the Assistant, Associate or Professor level. The Ben May Department for Cancer Research (http://huggins.bsd.uchicago.edu) is a basic research unit that for over 50 years has been committed to the study of cell signaling mechanisms. Our Department is located in the new Gordon Center for Integrative Sciences that comprises faculty from Chemistry, Physics and the Biological Sciences. The current faculty is committed to an interdisciplinary approach using established and newly emerging biochemical, genetic, imaging, molecular and structural biological tools to attack basic problems in signal transduction. We are seeking outstanding individuals interested in diverse aspects of tumor biology, including but not limited to tumor microenvironment, tumor metabolism, EMT, stem cells, epigenetics, cell signaling, in vivo imaging, drug discovery, cancer nanotechnology and computational biology.

The Ben May Department is closely affiliated with graduate degree-granting programs in the Biological and Physical Sciences, and Department faculty have access to outstanding PhD and MD/PhD students. Candidates should have sufficient research experience to demonstrate both significant accomplishments and outstanding potential. The successful recruit will be expected to teach undergraduate and graduate students. Curriculum vitae, bibliography, a brief statement of research interest and three letters of recommendation should be sent to: Marsha R. Rosner, Chair, Ben May Department for Cancer Research, Gordon Center for Integrative Sciences, 929 East 57th Street, Room W421C, Chicago, IL 60637.

THE UNIVERSITY OF CHICAGO
The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

Endowed Chair in Molecular and Environmental Carcinogenesis

The Department of Pharmacology and Toxicology at Indiana University in concert with the IU Simon Cancer Center and the Center for Environmental Health invites applications from qualified individuals for a senior-level, tenured tenure-track faculty position in the area of molecular and environmental carcinogenesis. Qualified applicants will also be considered for an Endowed Professorship in the IU Simon Cancer Center. The position requires a strong record of productive independent research and a record of peer-reviewed extramural funding. The successful candidate will be expected to maintain an independent research program and develop collaborations within the newly formed Molecular and Environmental Carcinogenesis Program in the IU Simon Cancer Center and the Center for Environmental Health.

Electronic applications including a complete curriculum vitae, a research prospectus, and the names and addresses of five (5) references should be sent to: Dr. James E. Klaunig, Robert B. Forney Professor and Director of Toxicology; Director, Center for Environmental Health and Associate Director, IU Simon Cancer Center at chinfo@iupui.edu.

We encourage applications from women and other underrepresented groups. In addition, it is the University’s policy to provide reasonable accommodations for qualified persons with disabilities. Indiana University is an EEO/AA Employer, M/F/D.

Postdoctoral Fellowship Program in Interdisciplinary Informatics

The University of Minnesota invites nominations and seeks applications for a new postdoctoral fellowship program as part of the recently launched comprehensive Interdisciplinary Informatics Initiatives (www.informatics.umn.edu), which encompasses health informatics, computational biology, bioinformatics, systems biology, and physical and computational sciences, as well as emerging fields in the social and environmental sciences. The Fellowship is intended to attract promising scholars with potential to pursue future faculty positions at the University of Minnesota and at other top research universities. We invite applications from individuals who have received the Ph.D. by September 2009 with research and scholarly interests reflecting a combination of the following priorities: (1) strong interest in interdisciplinary research and scholarship in one or more of the areas of interdisciplinary informatics mentioned above; (2) strong interest in a career that integrates research and education; (3) commitment to fostering the understanding of diversity in its multiple forms; and (4) engagement in partnerships with multiple communities inside and outside of the academy, including across the campuses of the University of Minnesota. Senior faculty will mentor postdoctoral fellows to establish an independent research agenda in a collaborative environment, prepare fellows for tenure-track academic positions, and deepen their pedagogical knowledge to become effective teachers in this emerging field. In addition to conducting research, fellows will teach at least one course per year. Fellowships will be awarded for one-year appointments beginning September 2009, with the possibility of a second year based on performance. Although stipend amounts will vary by discipline, fellows will receive a minimum annual stipend of $45,000.

The application deadline is October 31, 2008. To view the full announcement including information on eligibility, fellowship terms and the application process, visit www.grad.umn.edu/umipostdocfellowship. For more information contact Dr. Noro Andriamanalina at 612-626-4546, or send an e-mail to umipdp@umn.edu.

The University of Minnesota is an Equal Opportunity Educator and Employer. Women and minorities are strongly encouraged to apply.

University of Minnesota

Division of Cell Biology and Biophysics

Applications are invited for the 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 proven record of sustained externally funded research, scholarly activity, and leadership potential. The candidate will be expected to participate in graduate and/or undergraduate teaching, faculty mentorship, and work closely with the Dean on decision-making matters pertaining to the growth, development and direction of the School. The School of Biological Sciences is positioning itself to become a regional leader in the areas of structural biology and molecular cell biology and welcomes applications from qualified candidates in these research areas; however, outstanding scientists from all areas of basic life sciences research 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. degree and currently be in 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.
Sir William Dunn School of Pathology

Graduate Research Assistant

£24,403 - £29,138 pa

We are seeking to appoint a Research Assistant in the laboratory of Professor Elizabeth Robertson, FRS, WT-PRF, located at the Sir William Dunn School of Pathology. Professor Robertson was recently awarded the E.G. Conklin medal for her pioneering work on embryonic stem cells.

The post-holder must have a good first degree and at least two years of laboratory experience in animal husbandry, PCR genotyping, breeding schemes, surgical procedures, tissue and embryo retrieval, cell culture, and molecular biology. You should have a keen interest in immunology and developmental biology. You will contribute to the day-to-day running of the lab and have the opportunity to participate in research projects. Good organizational and communication skills are essential.

Please quote reference number LR/08/029.

Post-Doctoral Research Assistant

£27,466 - £33,780 pa

We are seeking to appoint a post-doctoral Research Associate in a Wellcome Trust funded laboratory with research interests in mammalian developmental biology located at the Sir William Dunn School of Pathology.

Under the direction of Professor Elizabeth Robertson FRS, WT-PRF, the programme aims to understand the molecular signals responsible for cell growth and differentiation in the early mammalian embryo. We have used genetic approaches to investigate the roles of TGFB growth factor signalling pathways in patterning the early body axis and in organogenesis. We are particularly interested in understanding the molecular mechanism by which specific transcription factors regulate the expansion of diverse progenitor cell populations in the embryo. Candidates with experience in targeted mutagenesis, cell imaging, flow cytometry, microarray, CHIP and/or proteomics approaches would be especially welcome. We are looking for a well trained and motivated scientist who is able to work independently and contribute conceptually to the overall research programme. Good organizational and communication skills are essential.

Please quote reference number LR/08/026.

Transgenic and ES cell Specialist

£27,466 - £33,780 pa

Sir William Dunn School of Pathology

The appointee will have extensive experience in all aspects of transgenic and ES cell technologies, including construct design, tissue culture, microinjection techniques, surgical procedures, embryo transfer, colony management and breeding schemes. We are seeking an enthusiastic and motivated senior scientist with proven technical abilities and strong communication skills to be actively involved in research projects. The post is funded for one year in the first instance with the possibility of extension thereafter.

Please quote reference number LR/08/025.

To apply for these positions please send your CV and the contact details of 3 referees to the Administrator, Sir William Dunn School of Pathology, South Parks Road, Oxford OX1 3RE, or email administration@path.ox.ac.uk.

Informal enquiries welcome - please email Prof Liz Robertson at Elizabeth.robertson@path.ox.ac.uk (www.path.ox.ac.uk/dirisci).

The closing date is 31st October 2008.

www.ox.ac.uk/jobs

Committed to equality and valuing diversity
With the tools and expertise to connect you with top employers, Science Careers is committed to making your job searching experience a success. Whether you’re a cell biologist, geneticist, postdoc, or director, we have the jobs that fit your background. Log on to www.ScienceCareers.org and focus in on your perfect job today.
We’ve got Careers down to a Science.

As the industry leader, Science Careers has all the tools to guide you through the next steps of your career path. Search jobs, post your resume, sign up for automatic job alerts, and seek advice in the careers forum all for free! With more than 3,000 job opportunities from more than 500 top employers, Science Careers is proud to be No. 1. Log on to www.ScienceCareers.org and inject some life into your job search today.
Finally...
a career site that separates itself from the rest.

We’ve got Careers down to a Science.
The University of Washington’s Institute for Learning and Brain Sciences (I-LABS), an interdisciplinary research center, has a tenure-track faculty opening for an ASSISTANT PROFESSOR in cognitive neuroscience with a focus on language. Departmental affiliation will depend on the applicant’s background and training. Ph.D. required. Appointment at the ASSOCIATE or FULL PROFESSOR level will be considered for candidates who have an outstanding research program on the representation of language in the brain. The position is contingent on budgetary approval.

Applications will be reviewed beginning 30 November 2009, and continue until the position is filled. The position is contingent on budgetary approval.

ASSISTANT PROFESSOR POSITIONS: ENVIRONMENTAL SCIENCES AND ENGINEERING, School of Engineering and Applied Sciences, Harvard University

The Harvard School of Engineering and Applied Sciences (HSEAS) seeks applicants for openings in environmental sciences and engineering at the level of tenure-track Assistant Professors. Appointments will be made in hydrology, and applied chemistry/chemical engineering. The positions require the ability to develop a leading research program and enthusiasm for teaching at both the graduate and undergraduate levels.

An application, assembled as a single PDF file, should include curriculum vitae, letter of interest, course descriptions and teaching evaluations, teaching philosophy, up to three letters of recommendation, and a list of research interests, all submitted at http://www.aas.harvard.edu.

Applications will be reviewed beginning 30 November 2009. Later applications are also welcome until the positions are filled. Harvard University is an Equal Opportunity/Affirmative Action Employer, and applications from women and underrepresented minorities are strongly encouraged.

MATH/COMPUTING FACULTY POSITION

The University of Wyoming is a Mathematical/Computing faculty position in the Department of Mathematics and Computing. The successful candidate will be expected to develop a strong research program in any area of mathematics or computer science, to participate in the education of undergraduate and graduate students, and to contribute to the growth of the department. Applications should be submitted to: Dr. Ronald Miller, Chair, Department of Mathematics and Computer Science, University of Wyoming, Laramie, WY 82071. Applications should be complete by March 1, 2010. Review of applications will begin immediately and continue until the position is filled. Electronic submissions are strongly encouraged.

The University of Wyoming is an Equal Opportunity/Affirmative Action Employer, and applications from women and minorities are strongly encouraged.

POSTDOCTORAL POSITION

The Department of Biological Sciences at Concordia College is seeking a Postdoctoral Research Associate to conduct research in the area of theoretical ecology, with emphasis on the evolution of plant-animal interactions. The ideal candidate will have a Ph.D. in biology, ecology, or a related field, and should have experience in data analysis and writing. Applications should be submitted to: Dr. Patricia Kuhl, Chair, Department of Biological Sciences, Concordia College, Moorhead, MN 56562. Applications will be reviewed beginning 1 December 2008.

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POSTDOCTORAL FELLOWSHIP IN NEUROSCIENCE

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Whether you’re seeking career advice or the latest job opportunities, you can count on Science Careers to provide all of the tools you need to further your scientific career. Get the advice you need in the careers forum, search for grant information, and browse career advice articles to help guide you through the next steps of your career. Log on to www.ScienceCareers.org and get the advice you’re searching for today.
POSBITIONS OPEN
ECOLOGY/EVOLUTION and COMPLEX SYSTEMS
University of Michigan

The Department of Ecology and Evolutionary Biology and the Center for the Study of Complex Systems of the University of Michigan seek applicants to fill a tenure-track position in the application of complex systems to ecology and/or evolution, pending final approval. Although we expect to hire at the ASSISTANT PROFESSOR level, inquiries at a more senior level are also welcome. The position will have a University-year appointment. Teaching responsibilities are to be negotiated with the applicant, but may include basic biology, complex systems, or specialized aspects of ecology or evolution. The applicant is expected to have a demonstrated research record in ecological or evolutionary modeling with a focus on complex systems. For further information, please see website: http://www.ceb.lsa.umich.edu and http://www.ccs.umich.edu. To apply, please provide: complete curriculum vitae; statements of current and future research plans and teaching philosophy and experience; evidence of teaching excellence, if available; and copies of publication abstracts, and arrange to have three letters of recommendation sent to e-mail: cecbcsscech@umich.edu (preferred) or Evolution/Ecology and Complex Systems Search Committee, Department of Ecology and Evolutionary Biology, University of Michigan, 830 N. University, 2019-S Kraus Building, Ann Arbor, MI 48109-1048. Review of applications will begin on December 1, 2008, and continue until a suitable candidate is identified. Women and minorities are encouraged to apply and the University is supportive of the needs of dual-career couples. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

POSBITIONS OPEN
ANIMAL PHYSIOLOGIST

The newly merged Departments of Botany and Zoology at the University of Florida invite applications for two tenure-track faculty positions in animal physiology at the level of ASSISTANT PROFESSOR, effective fall 2009. We offer a collegial environment that fosters collaborative, interdisciplinary research emphasizing integration of mechanistic and ecological studies at multiple scales. The taxonomic and conceptual focus of the applicant are open; however, individuals examining physiology in comparative, ecological, and/or evolutionary contexts are especially encouraged to apply. Instruction at both undergraduate and graduate levels is expected, including an upper-division course in animal physiology. Applicants must have an earned Ph.D. in an appropriate field. For more information and to submit an application, please arrange to have three letters of reference sent by December 15, 2008, either through e-mail: chemsearch@ufl.edu or by regular mail to:

Chair, Faculty Search Committee
Department of Chemistry and Biochemistry
University of Florida
PO Box 118525
Gainesville, FL 32611-8525 U.S.A.

POSBITIONS OPEN
MOLECULAR PATHOGENESIS FACULTY POSITIONS
Texas A&M Health Science Center

The Department of Microbial and Molecular Pathogenesis is recruiting tenure-track faculty at ASSISTANT, ASSOCIATE, or FULL PROFESSOR levels as part of a new campus expansion for the Health Science Center. We are primarily interested in investigators whose research complements existing strengths in host-pathogen interactions, including those working on immune responses and with airborne pathogens. Investigators working with viral, bacterial, fungal and parasitic models are encouraged to apply. Successful candidates will join an interactive faculty housed at a major research university with state-of-the-art core facilities including BSL-3. Assistant Professor applicants are expected to develop an independent, funded research program, while Associate and Full Professor applicants are expected to transform an existing, funded research program. Physician-scientists and translational biology investigators are especially encouraged to apply. Appointments are for 12 months with an attractive salary, competitive startup package, and laboratory space. Collaborations are available in basic and clinical sciences with Texas A&M University and the Health Science Center. For more information, please visit website: http://www.bit.tamhsc.edu/molecular/basicscience/mnp/index.html

The Texas A&M Health Science Center is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.
The University of Kentucky is an equal opportunity employer and encourages applications from minorities and women.

The University of Kentucky invites applications and nominations for the position of Director of the Sanders-Brown Center on Aging of the UK College of Medicine and Director of the University of Kentucky Alzheimer’s Disease Center. Ideally both positions would be filled by the same individual. These positions are supported by endowment funds combined with general funds, staff support, and extensive office/laboratory space within the stand-alone Sanders-Brown Center on Aging building. The successful candidate will be expected to provide leadership and implement a vision for continued growth and development of the Aging and AD Centers. Candidates for the position should have an M.D., Ph.D., or M.D./Ph.D. degree. We seek individuals with a sustained record of NIH funding and a national/international reputation for his or her investigative accomplishments.

Application materials should include a letter, curriculum vitae, and the names, addresses, and email addresses of three or more references. Submission of materials via email attachment is strongly encouraged. Applications will be reviewed starting in October and continue until the position is filled. Nominations, inquiries, and expressions of interest should be forwarded to:

Cheryl Songer, Dean’s Office/College of Medicine
138 Leader Avenue, Lexington, KY 40506-9983
Phone: 859-257-3861; Email: casong2@uky.edu

Upon offer of employment, successful applicants must pass a pre-employment drug screen and undergo a national background check as required by University of Kentucky Human Resources.
POSTDOCTORAL POSITION

An NIH-funded Postdoctoral position is available immediately in the laboratory of Dr. Mahnut Safak at Neuroscience Department, Temple University School of Medicine, Philadelphia. Position will involve the study of the regulatory roles JC Virus (JCV) agnoprotein in viral DNA replication and virion biogenesis to further understand molecular mechanisms of JCV-caused human brain disease named progressive multifocal leukoencephalopathy. Our previous work demonstrated that mutations in the virion form of agnoprotein are critical for JCV life cycle (Sarvary et al., J. Virol. 80:3893-903, 2006) and small t antigen of JCV also plays important regulatory roles in agnoprotein-mediated functions (Sarvary et al., Virology 375/464-79, 2008). Candidates should hold a Ph.D. or M.D./Ph.D degree and preferably a strong background in molecular virology and biochemistry. Please send a cover letter detailing your previous scientific work experience, curriculum vitae, and contact information for three references to e-mail: msafat@temple.edu. Temple University is an Equal Opportunity Employer.

The Children’s Hospital of Philadelphia and the Division of Rheumatology in the Department of Pediatrics at the University of Pennsylvania School of Medicine seek an ASSOCIATE or ASSISTANT PROFESSOR position in the nontenure research track. Rank will be commensurate with experience. Applicants must have a Ph.D. degree. The successful candidate will have expertise and demonstrated laboratory research achievements in the genetics, cell, molecular, or developmental biology of the immune system, in the study of autoimmunity, or in translational research in the rheumatic diseases. Please submit curriculum vitae and a letter of interest to: Terri H. Finkel, M.D., Ph.D. Joseph L. Hollander Associate Professor of Pediatrics University of Pennsylvania School of Medicine Chief, Division of Rheumatology The Children’s Hospital of Philadelphia 11 North, Abramson Research Center 34th and Civic Center Boulevard Philadelphia, PA 19104-4318 Telephone: 215-590-7180 E-mail: finkel@email.chop.edu

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

POSTDOCTORAL RESEARCH ASSOCIATE

Neurotoxicology of Insecticides

A Postdoctoral Research Associate position is available on or after October 1, 2008, in the Insecticide Toxicology Research Laboratory at Cornell University’s New York State Agricultural Experimentation Station campus in Geneva, New York. The successful applicant will participate in NIEHS-funded research to define the mechanisms of insecticide action on rat and human voltage-sensitive sodium channels, map the binding sites for insecticides in relation to sites of action of other toxicants and drugs, and identify the molecular basis of the differences in sensitivity to insecticides between male and female and between mammalian and insect sodium channels. A Ph.D. degree in an appropriate biological discipline and experience in the voltage or patch-clamp analysis of cellular membrane proteins will be based on NIH postdoctoral compensation guidelines; an attractive fringe benefits package is included. Send a letter of application, curriculum vitae, and names of three professional references to: Prof. David M. Soderlund, Department of Entomology, New York State Agricultural Experimentation Station, Cornell University, 630 West North Street, Geneva, NY 14456 (e-mail: dms6@cornell.edu). Cornell University is an Equal Opportunity Affirmative Action Educator and Employer.

POSTDOCTORAL and GRADUATE ASSISTANTSHIPS available at Purdue University (Guri Johal, Cliff Weil) and North Carolina State University (Peter Balint-Kurti) for joint project using natural variation in maize to identify genetic interaction of other toxicants and drugs, and identify the variation in maize to identify genetic interaction of microRNA research with application to gene expression, developmental biology, cancer genetics, or disorders related to aging. Candidates interested in teaching developmental biology and cell biology are particularly encouraged to apply.

Candidates should have a Ph.D. in a biological science-related field, postdoctoral experience, and relevant publications. Success in these positions will be expected to develop and maintain strong, externally funded research programs, teach at the graduate and undergraduate levels, and direct Ph.D. and M.S. graduate students.

Opportunities for collaboration exist with the USF Colleges of Medicine, Public Health, and Engineering, the H. Lee Moffitt Cancer Center and Research Institute, the Johnnie B. Byrd Sr. Alzheimer’s Institute, the Departments of Chemistry and Physics in the College of Arts and Sciences, the Center for Biological Defense, and Florida Center of Excellence for Biomolecular Identification and Targeted Therapeutics. USF is designated by the Carnegie Foundation as a Research University/Very High Research Activity and has a rapidly increasing research base in the biomedical sciences.

Candidates should submit a letter of application, curriculum vitae, research plan, and statement of teaching interests and arrange for three letters of recommendation to be sent to: MicroRNA Search Committee or Molecular Microbiology Search Committee, CMMB Division, Department of Biology, University of South Florida, 4202 E. Fowler Avenue, SCA110, Tampa, FL 33620-5200. Review of applications will begin on December 8, 2008, and will continue until the positions are filled.

Tenure-Track Position in Cell Biology

Western State College of Colorado

Western State College of Colorado invites applications for a tenure-track position in biology. Successful candidates will have expertise in cell biology. Teaching responsibilities include courses in general biology, cell biology, scientific writing, and additional courses in the candidate’s area of expertise. Requirements include a Doctorate, and candidates must possess a strong commitment to undergraduate education and demonstrate excellence in teaching. For full position information and application procedures visit website: http://www.western.edu/hr/jobs. Screening of applications will begin December 1, 2008. Affirmative Action/Equal Opportunity Employers.
LAGRANGE-CRT FOUNDATION PRIZE

Notice of Competition
Year 2008

CRT Foundation, among whose missions is to support qualified research projects started by Piedmonte universities and regional research institutes, decided to intervene in a structured way in the specific sector by giving life in 2003 to the Largange Project.

The research area to be supported was identified by the name of The Challenge of Complex Systems, today as a sort of paradigm of modernity in science.

In this context, the CRT Foundation, with the scientific coordination of the ISS Foundation, intends to establish the Largange Prize, dedicated to scientific research in the field of complexity sciences, its applications and education.

1. Aim and Criteria
The Largange-CRT Foundation Prize is awarded to selected scientists for their result in research activities on complex systems. Both theoretical and experimental research activities are taken into account. In particular, the prize will recognize outstanding contributions relevant to the progress of complexity science.

2. The Prize
The Largange-CRT Foundation Prize is assigned every year to one scientist. The prize of the amount of € 100,000 is awarded to the scientist proclaimed as winner by the Scientific Commission within March 2009. The prize-awarding ceremony will take place in Turin by June 2009.

3. Submission of Candidates
The winners will be selected by the Scientific Commission. The winner of the prize is selected among the candidates received within the deadlines indicated below. Each candidate can be submitted by at least one guarantor, who will have to attach a dossier motivating the specific candidacy completing it with minimum 5 – maximum 10 supporting letters from a matching number of sponsors of the candidacy itself.

Guarantors or sponsors of the candidates can be:
- Directors and researchers of national and international research centres;
- Professors of national and international universities institutes;
- Partners and members of Scientific Academies.

Self-candidates will not be accepted.

4. Candidature Dossier
The guarantor of the candidacy is required to submit the candidate dossier drawn up in English and including the following:
1) Candidacy proposal of the guarantor.
2) A written text presenting the research made by the candidate, the importance of results achieved and an analysis of the scientific impact (theoretical or experimental) brought about by the candidate’s work.
3) Candidate curriculum vitae.
4) List of scientific publications related to the candidate’s research activities in the field of complex systems.
5) The whole dossier should be submitted via email to: largange@iiss.it
6) The files related to the candidacy documents will have to be in pdf or word format.
7) 5-10 letters supporting the candidacy.

5. Selection of Candidates
The Scientific Commission is fully and exclusively endowed with the responsibility of assessing the eligibility of candidates, examining and selecting the dossiers of the admitted candidates choosing the winner. The Scientific Commission will communicate the choice of the winner within March 2009.

6. Deadline for Candidacy Submission
The candidacy dossier related to the year 2008 and including all documents as per art. 4, has to be received by the ISS Foundation within December 31st, 2008.

This notice of competition is available upon request addressed to the Prize Organizing Secretary (organizzatori@iiss.it) and can be retrieved in electronic format on the website www.progettolargange.it.

ANNOUNCEMENTS

GREAT HERC

Higher Education Recruitment Consortium

www.gcherc.org

The most comprehensive website in Greater Chicago for faculty and staff jobs at colleges and universities, and research, medical and cultural centers.

Members

The American Academy of Art
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The Field Museum
Harper College
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Loyola University Chicago
Midwestern University
North Central College
Northwestern University
Roosevelt University
The University of Chicago
University of Illinois at Chicago
University of Illinois at Urbana-Champaign

Sponsoring Institutions

Greater Chicago HERC is a member of the National HERC, a project of the nonprofit Tides Center. www.hercjobs.org
Applications are invited for a tenure-track ASSISTANT PROFESSOR faculty position in broad areas of biological research, with particular emphasis in the physical properties of biological systems, structure, and function of complex component biomolecular systems, cell and developmental biology of model organisms, synthetic and systems biology, biophysics, and molecular evolution. Applicants using experimental and/or theoretical biological approaches that are interdisciplinary with chemistry, physics, engineering, and computational methods are encouraged to apply. Candidates must have a Ph.D., postdoctoral training, and outstanding potential in research and teaching. Successful candidates are expected to develop and maintain a vigorous research program supported by extramural funding and participate in graduate and undergraduate education. Review of applications will commence November 1, 2008, and continue until the position is filled. Please send letter of application, curriculum vitae, summary of past research, and statement of future research plans, and arrange for four letters of reference to be sent to: Janet Braam, Chair of Search Committee, Biochemistry and Cell Biology, MS410, Rice University, P.O. Box 1892, Houston, TX 77251-1892.

Rice University is an Equal Opportunity/Affirmative Action Employer; women and minority candidates are especially encouraged to apply.

FACULTY POSITION

Cardiovascular, Aghar Research Phyllology
San Diego State University

The Department of Biology seeks to fill a faculty position in cardiovascular molecular physiology. The position will be made initially as a LECTURER and duties will include teaching at least one course per semester for the first three years leading after that time to a tenure-track position. The successful candidate must have independent funding sufficient to cover at least 50 percent of his/her salary and an independent research program. Applicants should submit curriculum vitae, separate statements of research and teaching interests, three representative publications, and arrange for three letters of recommendation to be sent to: Cardiovascular Physiology Search Committee, Department of Biology, San Diego State University, San Diego, CA 92182-4614. Review of applications will begin on October 30, 2008, and will continue until the position is filled. For more information see website: http://www.biology.sdsu.edu.

SDSU is a Title IX, Equal Opportunity Employer, and does not discriminate against individuals on the basis of race, religion, national origin, sexual orientation, gender, marital status, age, disability, or veteran status, including veterans of the Vietnam era.

RESEARCH POSITIONS

Nanobioscience
Aghar Research Institute, Pune, a premier autonomous Institute of the Department of Science and Technology, Government of India, invites applications from Indian nationals for variable number of scientist positions (at Scientist C, D, or E levels) for its newly established Centre for Nanobioscience (CNB). Further details of the posts, duties, and pay scales can be had from the website of the Institute, website: http://www.arihun.org. Apply within 30 days of the publication to Director, Aghar Research Institute, Pune 411 004, India.

Engineering and Public Policy at Carnegie Mellon seeks DOCTORAL STUDENTS with technical backgrounds to address policy issues such as: electric power, energy and environment, nanotechnology, climate change; cybersecurity, privacy, information technology; risk analysis and regulation; and management of innovation and R&D. Opportunities for dual degrees with Portugal available. See website: http://www.cpp.cmu.edu. Victoria Finney, Engineering and Public Policy, Carnegie Mellon, Pittsburgh, PA 15213 U.S.A.


TWO CHEMISTRY FACULTY POSITIONS in the ENERGY for the FUTURE INITIATIVE

University of California, Davis

The University of California (UC), Davis Department of Chemistry (website: http://www.chem.ucdavis.edu/) invites applications for two chemistry faculty positions associated with the UC Davis Energy for the Future Initiative targeting major energy issues facing California and the nation. The two positions are at the ASSISTANT PROFESSOR level. Online applications are available at website: http://energy.ucdavis.edu. This website also provides further information about the Energy for the Future Initiative, which brings a total of fourteen new positions to the Chemistry Department including a total of four positions in the Chemistry Department to be filled over a two-to-three year period.

The first position is in areas that focus on inorganic, materials, or solid state chemistry with fundamental research relevance to the broad field of energy. The second position is in biological, inorganic, or physical chemistry, exploring fundamental energy-relevant chemistry, broadly defined in biological or bio-inspired synthetic systems. In conjunction with the campuswide Energy for the Future Initiative and UC Davis Energy Institute, these scientists will interact with colleagues in other energy-related disciplines. Competitive candidates will bring strong research programs in chemistry that are relevant to energy, as well as strong connections to undergraduate and graduate teaching. A Ph.D. or equivalent degree in chemistry or related disciplines is required. The positions are open until filled; but to assure full consideration, online applications should be submitted no later than November 1, 2008, for a targeted start date of July 1, 2009.

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

TWO POSITIONS in BIOLOGY

The College of Liberal Arts and Sciences, the largest College at Kutztown University, is home to sixteen academic departments and more than 3,200 students. The College invites applications for the following tenure-track positions for the 2009-2010 academic year. A strong applicant will be an effective teacher, a scholar with a committed research agenda, and a colleague ready to participate in Department and University service.

Conservation biology. The successful candidate will have the opportunity to develop a research group in conservation biology, with special emphasis on such as: resource management, habitat restoration, and biodiversity. She/he will contribute significantly to the interdisciplinary Environmental Science Program and have a demonstrated commitment to undergraduate education and research. The University offers additional tenure-track positions in biology courses.

Mammalian anatomy, physiology, and histology. The successful candidate will have the opportunity to teach human and animal anatomy, human physiology, histology, and other appropriate biology courses for majors and nonmajors.

For full descriptions, criteria, and complete listing of these and other vacancies, please visit our website: http://www.cumb.american.edu. Information on the Department of Biological Sciences at University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer and actively solicits applications from women, veterans, persons with disabilities, and minorities. Kutztown University of Pennsylvania is a member of the State System of Higher Education.

ENVIRONMENTAL RESEARCH ANALYST

Conduct research and analyze commercial land for potential development with emphasis on environmental effects including physical and health hazards. Analyze data to interpret correlations between commercial property development and environmental effects. Prepare reports to present to city, state, and federal authorities for permits. Conduct feasibility studies for development of physical plants. Review plans, designs, layout, and physical requirements for commercial sites and buildings. Required: Master of Science in chemical engineering, chemistry, or forestry. A minimum of 40 hours. Job/insite website: http://www.kutztown.edu/.

ASSOCIATE or ASSOCIATE PROFESSOR of CELLULAR, MOLECULAR, or MICROBIOLOGY

The Sonoma State University Biological Department seeks a dynamic teacher-scholar for a tenure-track As-
Abcam: how we got the best abs without going to the gym

The idea for Abcam came early in 1998 out of a laboratory in the University of Cambridge, UK. Abcam’s principal founder and now CEO Dr Jonathan Milner, left academia to set up the company in 1998 after years of frustration in his search for quality antibodies. The plan was to sell the best antibodies in the world with the most comprehensive, honest and up-to-date datasheets, fast delivery and professional scientific and customer support.

Initially things were looking bleak and Abcam needed sales quickly, so Jonathan took an ice-bucket full of popular antibodies around the University of Cambridge laboratories in order to get friends and colleagues to buy them, which they did. Hence the legend of Abcam’s humble beginnings from an ice-bucket was born.

Abcam’s growing reputation has been exceeded by the firm’s actual growth over the last several years. Today, Abcam has significantly grown to one of the top five suppliers of antibodies in the world, with over 45,000 products in our catalog and a great reputation for high quality reagents. As Abcam has developed and grown throughout the years, Jonathan’s vision has evolved and we now operate two other offices located in: Cambridge, Massachusetts and Tokyo, Japan. In total, there are currently over 200 employees on three continents.

Moving forward this is an exciting time for Abcam. The goals and objectives set for the next couple of years are impressive and include doubling the production capacity of our high throughput antibody facility, increasing the lines of secondary detection reagents to more than 10,000 and adding active proteins to the product catalog. Our large online catalog is an aspect that sets us apart from our competitors. Our website provides an online community for customers to share their experience with our products (through “Abreviews”). We will soon be launching a new and improved version of our website. As well as providing a cleaner style, with yet more information and better ways to search for antibodies and related products, it will also feature a blog making for an even more interactive community.

Much of Abcam’s success today can be attributed to Jonathan’s vision and hard work as well as Abcam’s dedicated and energetic employees. Many of Abcam’s employees hold PhDs and maintain their partnership with the scientific community through Abcam’s alignment with top scientists. Advancing research through protein biology and life science research are a large part of Abcam’s beating heart. This mission and attitude is well ingrained into the Abcam culture proving to its customers and employees that anything is possible.
POSTDOCTORAL/RESEARCH SCIENTIST POSITIONS

Postdoctoral/Research Scientist positions in cardiovascular biology available immediately in the laboratories of Drs. John Imig and John Auchampach at the Medical College of Wisconsin. Dr. Imig’s laboratory uses state-of-the-art approaches to study new cardiovascular techniques, calcium imaging, patch clamp electrophysiology, small molecule pharmacology, and molecular biology to study vascular function in cardiovascular diseases including hypertension, stroke, obesity, and diabetes. Dr. Auchampach’s laboratory studies adenosine receptor biology during ischemic heart disease and inflammation using multidisciplinary molecular and physiological approaches involving genetically modified mice. Candidates must have a Ph.D. degree in physiology, pharmacology, or related field, and strong interest in cardiovascular biology. Applicants should send curriculum vitae and names and addresses of three references to: John D. Imig, Ph.D., Department of Pharmacology and Toxicology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226. E-mail: ptsearch@mcw.edu; website: http://www.mcw.edu/display/docid1066.htm and http://www.mcw.edu/display/docid24736.htm.

POSTDOCTORAL POSITIONS
Telomere Dysfunction in Aneuploidy and Aging

Two Postdoctoral positions are immediately available to join a highly interactive laboratory to study the roles of dysfunctional telomeres in aneuploidy and aging. For examples of recent research projects, see: Nature Genet. 36:877-82; 2004; Cell 126:69-82; 2006; EMBO J. 26:4709-19, 2007; and EMBO Reports, 8(5):497-503, 2007. Mammalian cell culture experiences and ability to work with mouse models are mandatory. A first-author manuscript in a recognized international journal is required. Please send curriculum vitae and names and addresses of three references to: Sandy Chang, Department of Genetics, The University of Texas M. D. Anderson Cancer Center, Houston by e-mail: schang@mdanderson.org.

M.D. Anderson Cancer Center is an Equal Opportunity Employer and does not discriminate on the basis of race, color, national origin, gender, sexual orientation, age, religion, disability, or veteran status, except where such status is required by law. All positions at the University of Texas M.D. Anderson Cancer Center are sensitive to work environment, and strongly encourage diverse candidates.

POSTDOCTORAL POSITION available to study the molecular biology of metabolic bone disease. The laboratory is well equipped, well funded, and has a collegial environment. We prefer someone with some experience in molecular biology, bone biology, genetics, or metabolic bone disease. Please send curriculum vitae and date available to: Dr. Michael Econs, 541 N. 4th Street, Drive, CL459, Indiana University School of Medicine, Indianapolis, IN 46202. E-mail: mecons@iupui.edu. Indiana University is an Equal Employment Opportunity/Affirmative Action Institution. Minorities/Females/Persons with Disabilities.

POSTDOCTORAL POSITION available to study the mechanisms by which hyperglycemia causes vascular damage. Current projects include investigating the molecular basis for metabolic imprinting, endothelial progenitor cell dysfunction and impaired vasculogenesis in diabetes, and development of novel therapeutic strategies for preventing diabetic vascular damage. More background is available at website: http://www.promab.com info@promab.com

Cytokine and...