POSTDOCTORAL RESEARCH OPPORTUNITIES

Albert Einstein Cancer Center

Postdoctoral positions are available at the Albert Einstein Cancer Center, a major NCI-designated research institute with a broad spectrum of interdisciplinary programs and core laboratory facilities. Research opportunities encompass: DNA repair in cells under genotoxic stress; Replication of telomeres in human embryonic stem cells; Cell fate decisions of neural progenitors and leukemia stem cells; Molecular and functional characterization of HPV carcinogenesis; Targeted, whole-body imaging of cancer; Cancer immuno-oncology, including T-cell responses and antibody functions; Molecular and epigenetic mechanisms of breast cancer metastasis; Glycolysis in cancer, immunity, development, and Notch signaling; Studies on intestinal stem cell secretomes; Resistance mechanisms to targeted and antiangiogenic drugs; Drug transporters—molecular and cellular profiling; Personalized medicine—measures and models; Hypoxia and hypoxia—mediated mechanisms of cancer cell survival; and Inhibitory microRNAs in cancer cell survival.

To learn more about these projects and their faculty mentors, as well as other training opportunities, go to website: http://www.einstein.yu.edu/cancer click on postdoctoral training. The Albert Einstein College of Medicine is located in a residential area in close proximity to Westchester County with easy access to Manhattan. Apply to the Albert Einstein Cancer Center webpage (as above) or write to: Dr. Richard Seither, Albert Einstein Cancer Center, Jack and Pearl Resnick Campus, 1300 Morris Park Ave, Bronx, NY 10461.

The Albert Einstein College of Medicine is an Equal Opportunity Employer.

POSITIVE PSYCHOLOGY POSTDOCTORAL FELLOW

The Positive Psychology Center at the University of Pennsylvania seeks an outstanding Postdoctoral Fellow to begin immediately or Fall 2012, for one or two years. The fellow will analyze data and prepare publications for a large research grant on Positive Health among Army Soldiers—exploring on a large scale the influence of psychological and physical health assets on illness, health care utilization, and health care expenditure. Analyses will be conducted with large U.S. Army datasets. The fellow will work with Dr. Martin E.P. Seligman and other senior scientists. Experience with large-scale data sets using advanced statistics, as well as an understanding of the interface between mental and physical health is required. Individuals with a Ph.D. in psychology, health and human development, social epidemiology, or a related field are encouraged to apply. Applications will be reviewed on a rolling basis. The specific location (university) of this fellowship is TBD. Please send curriculum vitae, statement of interest (two pages max), and at least three references to: Libby Benson, e-mail: libens@psych.upenn.edu. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

Two POSTDOCTORAL POSITIONS are available at Department of Structural Biology, University of Pittsburgh School of Medicine. We are seeking self-motivated postdoctoral scientists with interpersonal and problem-solving skills. The individual will be leading multiple projects investigating virus-host cell protein interaction utilizing various biophysical techniques including, but not limited to, CD, DSC, SPR, ITC, light-scattering, Fluorescence, NMR, and X-ray crystallography. He/She will also be performing protein expression and purification in E. coli, insect cells, and mammalian cells. Please visit our websites: (1) http://www.structbio.pitt.edu/webusers/protein and (2) http://www.hvppi.pitt.edu for more details. Candidate must hold a Ph. D. and have a strong background in protein biochemistry. For consideration, please send detailed curriculum vitae, cover letter, and three references to Dr. Jinwoo Ahn, e-mail: jia12@pitt.edu.

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

POSTDOCTORAL OPPORTUNITIES

KOCHEXPERIMENTAL BIOLOGY

The Department of Ecology and Evolutionary Biology (EEB) at Tulane University seeks to fill the inaugural Koch Postdoctoral Teaching Fellowship in Plant Ecological and Evolutionary Biology (EEB) (http://tulane.edu/ssc/eebio/about/kochfellow.cfm). The position is a two-year appointment, with faculty status and a start date of July 1. The department aims to recruit outstanding researchers with a Ph.D. in plant ecological and evolutionary biology. The fellow will receive comprehensive training and mentoring as well as support to develop their teaching portfolio, with the opportunity to apply for tenure track faculty positions upon completion of the fellowship.

The University of Pennsylvania is an Equal Opportunity/Affirmative Action/ADA Employer. For more information about this position and to apply, visit our website: http://www.med.upenn.edu/faculty-careers/PostDoc/PostdocFellow.html. The University of Pennsylvania is an Equal Opportunity/Affirmative Action/ADA Employer. For more information about this position and to apply, visit our website: http://www.med.upenn.edu/faculty-careers/PostDoc/PostdocFellow.html. The University of Pennsylvania is an Equal Opportunity/Affirmative Action/ADA Employer.

KOH POSTDOCTORAL TEACHING FELLOW

The University of Pennsylvania is an Equal Employment Opportunity/Affirmative Action/ADE employer committed to excellence through diversity. All eligible candidates are invited to apply.

POSTDOCTORAL POSITIONS in Brain Targeting/Cancer Immunology

A position (two years) is available immediately in the laboratory of Ulrich Bickel, M.D., Department of Pharmacological Sciences, Texas Tech University Health Sciences Center at Amarillo. Our group focuses on blood-barrier transport mechanisms and drug delivery. The successful applicant will work on an innovative new project exploring the targeting of breast cancer metastasis using a type of monoclonal antibody (J. Cell Physiol. 225:664–672; J. Immunol. 186:3265–3276) funded by the DoD Breast Cancer Research Program. Candidates with background in pharmacology/pharmaceutical sciences or related areas and with hands-on experience in pharmacokinetic studies in rodents, cell culture, and histological techniques, including (confocal) fluorescence microscopy are preferred. For more information about this position and to apply, visit our website: http://jobs.tuctech.edu. Equal Opportunity Employer/Affirmative Action/ADE.

Mount Sinai School of Medicine has POSTDOCTORAL POSITIONS available through its NCI-funded training program in cancer biology. Areas of interest include: cellular signaling involving both oncogenes and tumor suppressor, regulation of gene expression including epigenetics, developmental biology, cell cycle, apoptosis, and molecular epidemiology. These positions are open to U.S. citizens or permanent residents with a M.D. or Ph.D. with experience in molecular/cellular biology. Salary will follow NIH guidelines and depend on experience. For a list of training faculty, please see website: http://fudc.mssm.edu/training/faclist2.cfm?sec=8.

Highly motivated candidates are encouraged to send electronically an application including a cover letter, a curriculum vitae, and contact information of three references to: Postdoctoral Training in Cancer Biology, MSSM, One Gustave L. Levy Place, Box 1130, New York, NY 10029. E-mail: cancer.biology@mssm.edu.

POSTDOCTORAL OPPORTUNITIES in computational and systems biology in the Center for Genome Dynamics at The Jackson Laboratory (website: http://www.genomedynamics.org). Center investigators use computation, mathematical modeling, and statistics to understand the genetics of complex traits. Requirements include expertise in quantitative fields such as computer science, statistics, applied mathematics or in biological sciences with strong quantitative background. Programming experience recommended. More details at website: http://www.jax.org/careers (Job ID 2311). The Jackson Laboratory is an Equal Opportunity Employer/Affirmative Action Employer.

POSTDOCTORAL OPPORTUNITIES in computational and systems biology in the Center for Genome Dynamics at The Jackson Laboratory (website: http://www.genomedynamics.org). Center investigators use computation, mathematical modeling, and statistics to understand the genetics of complex traits. Requirements include expertise in quantitative fields such as computer science, statistics, applied mathematics or in biological sciences with strong quantitative background. Programming experience recommended. More details at website: http://www.jax.org/careers (Job ID 2311). The Jackson Laboratory is an Equal Opportunity Employer/Affirmative Action Employer.
Fifty percent of all science created in Brazil is produced in the State of São Paulo. The state hosts three of the most important Latin American universities: USP, UNICAMP and UNESP. Other universities and 19 research institutes are also located in São Paulo, among them the renowned Instituto Tecnológico de Aeronáutica (ITA), Instituto Nacional de Pesquisas Espaciais (INPE) and Laboratório Nacional de Luz Síncrotron, besides most of Brazilian Industrial P&D.

The São Paulo Research Foundation (FAPESP), one of the leading Brazilian agencies dedicated to the support of research, has ongoing programs and support mechanisms to bring researchers from abroad to excellence centers in São Paulo.

The **Young Investigators Awards** is part of FAPESP’s strategy to strengthen the State research institutions, favoring the creation of new research groups. See more about it at [www.fapesp.br/en/yia](http://www.fapesp.br/en/yia)

FAPESP **Post-Doctoral Scholarship** is aimed at distinguished researchers with a recent doctorate degree and a successful research track record. The fellowship enables the development of research within higher education and research institutions in São Paulo. Postdoc fellowships are available when calls for applications are issued internationally, or as individual scholarships requested on demand.

In the first case, positions are advertised at [www.fapesp.br/oportunidades](http://www.fapesp.br/oportunidades) and candidates are selected through international competition. In the second, the proposal must represent an addition to a pre-existent research group and should be developed in association with faculty in higher education and research institutions in São Paulo. More information at [www.fapesp.br/en/postdoc](http://www.fapesp.br/en/postdoc)
Postdoc Positions

The Creative Fundraiser
The Many Roles for the Postdoc in Search of Support

One of the most important skills to demonstrate in a postdoc appointment is the ability to acquire funding. Whether it is in the form of grants, fellowships, or out-right gifts, postdocs have to find ways to bring in the bucks, not only to keep their own research enterprise humming, but also to show future employers that they have experience raising money. Since most postdocs don’t have a wealthy, anonymous benefactor or a venture capitalist relative who can provide unlimited reserves for their investigations, it is up to the early career scientist to get creative in finding funding. More and more postdocs (and even grad students) are demonstrating their ingenuity in where and how they seek and secure the necessary research resources. By Alaina G. Levine

In 2011, the National Institutes of Health (NIH) awarded a total of over $316,000 in fellowships (individual awards) and traineeships (awards made to institutions who in turn select and appoint trainees) to postdocs, according to Rod Ulane, director of the Division of Science Programs at NIH and NIH research training officer. So if you are in the biological sciences, the NIH is obviously your best and only bet for financing your early-career research, right? Wrong. While over 2,200 individuals applied for the individual awards in 2011, “the success rate for individual fellowship applicants has dropped from over 40 percent 10 years ago, to about 25 percent in 2011,” explains Ulane. It is clearly one of the most competitive sources of research money, and although prestigious, it is not the only game in town. Postdocs (and graduate students preparing for their postdoc appointments) can find other sources of funding (whether they are in life sciences or not), that can support research, travel, and in some cases even wages for hiring undergraduate technicians. They just have to get creative in their fundraising approaches and start thinking beyond the most obvious and popular choices.

But first and foremost, you have to start searching for opportunities and apply for them. “Postdocs need to be aggressive about finding opportunities to write grants because the deck is often stacked against them,” says Joe Bernstein, a postdoctoral fellow at Argonne National Laboratory, who served as the 2011 outreach committee chair for the National Postdoctoral Association. Certain agencies limit postdocs from serving as the principal investigators (PIs) on grants, so you have to do an extensive amount of research to find financing solutions that meet your unique needs and goals. But by just applying you are doing yourself and your career a huge favor, he adds, as it helps to build knowledge and skills. In addition to the almighty dollar, emerging scholars should also consider sources of support that don’t directly involve money, advises Bernstein. Depending on your field, you could apply for time on specific equipment, such as a telescope or a super computer. “Millions of hours in computing time is a currency” in many research areas, such as his own field of astrophysics he says. “You are showing you can formulate a proposal or a valuable resource in competition with other people who want it, and convince the allocation committee to give you an award over other proposers,” he describes. This valuable ability can absolutely “influence hiring committees.”

“THE LEVERAGER”
Zeb Hogan is a world-renowned expert on megafishes—six-feet long, over 200 pound aquatic monsters that inhabit bodies of fresh water, such as rivers and lakes, all over the world. The Research Assistant Professor in the Department of Natural Resources and Environmental Science at the University of Nevada, Reno, has been funded by the National Geographic Society (NGS), in one way or another, since he was a graduate student. Now, five years out of his postdoc, he is one of only 15 NGS Fellows worldwide, and has received long-term financial support to fund expeditions to and continued>

UPCOMING FEATURES

Cancer Research: Vaccine Drug Development—March 23
Bioclusters: Eastern United States—April 6
Bioclusters: Western United States—May 4
Where will your research lead?

Postdoctoral Program

In 2010, the Pfizer Research and Development organization launched an ambitious postdoctoral training program that encompasses its Research, Biotech, and Technology Units. We recruit highly motivated Ph.D. recipients with a demonstrable track record of scientific productivity during their graduate training and a strong interest in performing an academic-style postdoc in an industrial setting. Ideal candidates express a passion for creative research that facilitates the translation of novel biological or technological advances into innovative therapies for human diseases.

Our 2012 recruitment season is underway. Postdoctoral positions are now or will soon be available in the following areas:

- ANTIBODY-PROTEIN ENGINEERING
- DRUG SAFETY
- INFLAMMATION & REMODELING
- MUSCULOSKELETAL BIOLOGY
- ONCOLOGY
- PHARMACEUTICAL SCIENCES
- PROTEOMICS
- STEM CELLS
- MEDICINAL/ORGANIC/ANALYTICAL CHEMISTRY
- IMMUNOLOGY & AUTOIMMUNITY
- METABOLIC DISEASES
- NEUROSCIENCE
- PAIN
- PHARMACOKINETICS, DYNAMICS AND METABOLISM
- HIGH-CONTENT CELL-BASED SCREENING
- STRUCTURAL BIOLOGY

The Pfizer Research and Development organization strives to deliver innovative medicines that improve the lives of patients worldwide. Our postdoctoral program is designed to provide the research foundation that will lead to future improvements in disease therapy, while at the same time offering our trainees an exceptional career-building experience in the biomedical sciences. Our trainees perform cutting-edge research leading to publications in top-tier journals, attend high-profile scientific meetings, and interact with well-known academic labs worldwide.

You may explore and apply for specific opportunities by visiting us online at: www.pfizercareers.com.

We are proud to be an equal opportunity employer and welcome applications from people with different experiences, backgrounds and ethnic origins.

Pfizer Working together for a healthier world™
Postdoc Positions

research in endangered waterways that affect the dwindling populations of megafauna, in areas such as southeast Asia and Australia.

Hogan, 37, has received a total of five grants from the NGS, the first of which funded his graduate school research, as well as a handful of other grants from sources as varied as the Columbus Zoo and Aquarium to the International Finance Corporation (IFC). He uncovered two major tips for financing his endeavors. One is that certain grants he received while a graduate student could be extended into his postdoc appointment. While pursuing his doctoral studies at University of California, Davis, he served on a team of investigators who authored a grant proposal to the IFC to study the ecology and conservation of Hucho taimen (also known as Siberian salmon) in the Eg-Uur River Basin, Mongolia. The team consisted of his thesis advisor (who served on the project advisory board) as well as a professor at the University of Wisconsin, who later became his postdoc mentor. “When we wrote the proposal, two of us were grad students (myself included), one was a postdoc, one was faculty, and one was a university researcher,” he explains. “Between the time that we wrote the proposal and completed the studies associated with the five-year grant, I had gone from being a grad student, to postdoc, and then finally to research faculty. In other words, the funding extended through the end of my time in grad school at UC Davis, throughout my postdoc at the University of Wisconsin, and into my first few years at the University of Nevada.”

The other tactic Hogan found for successfully obtaining research funding: leveraging prior grants to obtain new ones. As a graduate student, he received support from NGS, which he was able to use as a springboard to acquire postdoc support through the NGS Conservation Trust. This grant in turn led to others, as well as special NGS fellowships, such as being named an NGS Young Explorer, and more recently an NGS Fellow. “Although grants from National Geographic typically only last one year, they have continued to fund my research as it has evolved,” he says. “First with a smaller grant to study Mekong giant catfish, then with a larger grant to study all Mekong giants, and then finally with a multi-year grant to initiate the Megafishes Project. So, certainly, the connections and contacts that students make in grad school can extend into a postdoc and beyond.”

Leveraging goes well beyond taking one grant and transforming it into another. It can also mean using your network to illuminate new or lesser-known opportunities. In particular, your PI or other research mentors can open doors to different financing solutions. “Sometimes, private foundations in particular are not used to seeing postdocs apply for grants... [postdocs] have to put together a strong team [of collaborators and mentors who will serve on the project].”

—Rachel Ruhlen

“Sometimes, private foundations in particular are not used to seeing postdocs apply for grants... [postdocs] have to put together a strong team [of collaborators and mentors who will serve on the project].”

Joe Bernstein

“Don’t underestimate the importance of internal funding,” says Ruhlen. The 37-year-old researcher, who holds a Ph.D. in biological sciences from the University of Missouri–Columbia, completed two postdocs: one in the Department of Surgery at University of Missouri–Columbia, and the other in the Department of Pharmacy, Medicinal Chemistry, and Pharmacognosy at University of Illinois–Chicago. She started early in her quest for cash to cover her investigations. Although she was funded under two fellowships, she still needed to bring in extra support to pay for things not allowed under the fellowship, such as laboratory provisions. Internal funding filled this chasm. “I have been almost continuously on internal funding in one form or another,” she says. “It rarely pays any salary dollars, but it does pay for supplies, and sometimes it will pay wages for an undergrad research assistant. It’s usually a very small amount of money, less than $10,000, and only for one year. But it’s a lot easier to get than external funding.”

The funds may be formally distributed through request for proposals (RFPs), or informally, just by making inquiries. The latter is how Ruhlen got out of a jam in one of her postdocs. “My postdoc adviser announced he was moving to North Dakota. I couldn’t uproot my family to go with him, not for a postdoc position. I had a postdoc fellowship but it only paid my salary,” she says. “Where was I to get funds to do my research? I went to my department and explained the situation to them. They asked me to write up my project as if it was a grant application, and they gave me $10,000 to finish the experiments. That was enough to tide me over until I could get a real job.”

Bernstein has also applied for internal grants within Argonne, through the Laboratory Directed Research and Development (LDRD) program. In this case, the discretionary money is used “to seed fund early-stage projects with a good probability of a return on investment for the Department of Energy,” he explains. Projects are usually supported for up to three years.

“THE INTERNAL FUNDRAISER”

Denise Al Alam, a postdoctoral fellow at The Saban Research Institute of Children’s Hospital Los Angeles, has access to grant information that is not well-publicized. In Ruhlen’s case, she learned of a fellowship opportunity with Susan G. Komen for the Cure because her mentor served on the review panel for the foundation.

“THE INTERNAL CAMPAIGNER”

Denise Al Alam, a postdoctoral fellow at The Saban Research Institute of Children’s Hospital Los Angeles, has access to grant information that is not well-publicized. In Ruhlen’s case, she learned of a fellowship opportunity with Susan G. Komen for the Cure because her mentor served on the review panel for the foundation.

www.sciencecareers.org
THE H.C. ØRSTED POSTDOC PROGRAM

Technical University of Denmark (DTU)

DTU invites highly talented young researchers to apply for stipends under the H.C. Ørsted Postdoc Program. The program is named after the founder of the university, H.C. Ørsted, who discovered electromagnetism. We seek candidates who have obtained outstanding results during their PhD studies and who have demonstrated excellence and potential in their field of study.

In order to be considered, applications must include a confirmation letter signed by the relevant DTU department head, stating that the department and the candidate have agreed upon the research plan.

Applications must be based on the details of the full text announcement.

Application deadline: 10 May 2012

Further details: dtu.dk/career

DTU is a technical university providing internationally leading research, education, innovation and public service. Our staff of 5,000 advance science and technology to create innovative solutions that meet the demands of society; and our 7,000 students are educated to address the technological challenges of the future. DTU is an independent academic university collaborating globally with business, industry, government, and public agencies.

See our PhD-programmes at dtu.dk/phd
discovered early on that she could apply for fellowships and grants through small, regional foundations and/or those that are focused in on very specific diseases. Originally from Lebanon, she moved to France in 2003 where she enrolled in graduate school. Shortly before earning her doctorate in immunology from the University of Reims Champagne–Ardenne, she was recruited to The Saban Research Institute to serve as a postdoctoral fellow on lung development and repair. The fellowship was funded by the American Lung Association (ALA). She later received another fellowship from the American Heart Association (AHA). “After I got to the States, I knew I would only have funding for one year,” she describes. She couldn’t apply for NIH or other U.S. federal government grants because of her specialized visa, so she sought out the private foundations for support.

After being awarded the fellowships from the ALA and AHA, she immediately got involved in their local chapters in Los Angeles, California. “I would go to board meetings and tell them about my research,” she recalls. She also participated in public fundraising events, such as the “Fight for Air Walk” for the ALA, for which she recruited a team of people to raise money and partake in a 5 km walk to benefit the association. Al Alam recognized that by volunteering to assist with these philanthropic efforts, she not only was helping the society, but she was also promoting her research. By giving speeches to boards of directors, she was able to popularize her investigations to people of influence and high net worth. “Being in contact with these people is an advantage,” she comments, because it can lead to new funding opportunities and access to hidden sources for research support. “Postdocs are very isolated. We rarely connect with people outside the lab, but I recommend we do,” she continues. “Offer to help with fundraising or give a talk...It can benefit everybody—you, your team, the organization, the funding agencies,” and of course, the research field itself. “We need for people to understand why we are doing this research and what it’s all about.”

Ruhlen, who received a postdoc fellowship from the Susan G. Komen for the Cure foundation, agrees that there is significant merit in volunteering to assist local chapters with fundraising efforts. “It’s a fantastic idea,” she says. “It will also increase your network of contacts and that’s super important.”

But Al Alam has not limited herself to only seeking funding from science-focused sources. As a former French resident, she can apply for grants through the French Consulate in the United States that would support collaborative research endeavors with other French scholars. For investigators who are not native to the country in which they are conducting their research, their embassy or consulate can offer surprising opportunities, she notes. “I’m Lebanese, and I’m even finding opportunities through the Lebanese government,” she says, although in this case, she would have to conduct the experiments in Lebanon, which is not currently an option for her. But she has also explored funding opportunities with the Association of University Women and other groups that do not require United States citizenship of their grantees.

“THE NETWORKER”
Of all the roles a postdoc must play in order to advance as a scientist and a fundraiser, perhaps the most important is being an expert networker. Sources stress that making connections with colleagues in and out of their immediate research group, maintaining those contacts, and always striving for more associations is the key to securing financial backing of their projects. “At the end of the day it basically comes down to using contacts, collaborators, online resources, requests for proposals, advertisements, and networks to find any source of available funding,” says Hogan. “While I can think of a lot of examples of postdocs funding their work (and especially grad students writing grants to then fund their postdocs), I don’t see any holy grail. Stay active, keep an eye out for opportunities, and take advantage of them when they arise.”
POSTDOCTORAL TRAINING OPPORTUNITIES

www.med.umich.edu/postdoc

The University of Michigan Medical School is an outstanding training environment that combines world-class faculty and innovative programs of research with a rich academic tradition. For two decades Michigan has ranked among the top 10 medical schools in NIH research funding. This research effort is enhanced by 27 NIH-sponsored training programs that support Postdoctoral Scholars.

The University of Michigan recognizes the essential contributions Postdoctoral Scholars make to the University’s research mission. We offer a comprehensive career development program for our Postdoctoral Scholars to help guide their choices as they prepare themselves for independent careers. We welcome inquiries from graduate students nearing completion of the Ph.D. degree regarding opportunities for postdoctoral training in the following areas:

- Alcoholism Research
- Biology of Aging
- Biology of Drug Abuse
- Cancer Biology
- Cardiovascular Research
- Cell and Molecular Dermatology
- Clinical and Basic Neuroscience
- Endocrine Dysfunction
- Endocrinology and Metabolism
- Environmental Toxicology
- Experimental Immunology
- Genome Sciences
- Hearing, Balance and Chemical Senses
- Imaging Science in Biomedicine
- Lung Disease
- Lung Immunopathology
- Medical Rehabilitation Research
- Microbial Pathogenesis
- Molecular Hematology
- Nephrology Research
- Organogenesis
- Reproductive Sciences
- Research in Gastroenterology
- Substance Abuse
- Tissue Engineering and Regeneration
- Urology Research
- Vision Research

One way to explore these programs is to attend the Postdoc Preview on U-M’s campus on October 25-27, 2012. The Preview weekend will introduce outstanding upper-level graduate students in the biomedical sciences to the breadth and excitement of postdoctoral research and training at Michigan.

Apply online by August 1, 2012 at www.med.umich.edu/postdoc/preview

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University of Alabama at Birmingham

Postdoctoral Positions

The University of Alabama at Birmingham (UAB) is one of the premier research universities in the US with internationally recognized programs in AIDS and bacterial pathogenesis, bone biology and disease, cancer, diabetes and digestive and kidney diseases, free radical biology, immunology, lung disease, neuroscience, trauma and inflammation, and basic and clinical vision science among others. UAB is committed to the development of outstanding postdoctoral scientists and has been consistently ranked in recent years as one of the top locations among US universities for training postdoctoral scholars.

UAB is recruiting candidates for postdoctoral positions in a variety of research areas. UAB faculty are well funded (top 25 in NIH funding), utilize multidisciplinary approaches, and provide excellent research training environments that can lead exceptional candidates to entry level positions in academia, government or the private sector. Full medical coverage (single or family), competitive salaries/stipends, sick leave, vacation, and maternity/paternity leave are offered with every position as well as AD& D, disability & life insurance. Depending on the source of funding, retirement benefits may also be available. Birmingham is a mid-size city centrally located in the southeast near beaches and mountains and enjoys a moderate climate for year round outdoor activities and a cost of living rate lower than most metropolitan areas.

Visit our web site at www.postdocs.uab.edu, under Postdoctoral Opportunities to view posted positions. Send your CV and cover letter to the contact name for those positions for which you are qualified and which interest you. University of Alabama at Birmingham, Office of Postdoctoral Education, 205-975-7020.

UAB is an Equal Employment Opportunity Employer.

The Next Generation Sequencing group at the Institute of Bioinformatics and Systems Biology (Helmholtz Zentrum München) plans to fill the position of a Postdoctoral Fellow in Computational Biology

Job Description:
- Collaboration with clinical institutions and experimental labs in the areas of cancer genomics, neurological disorders, diabetes, human metagenomics, and virology
- Studying the genetic and epigenetic determinants of human disease
- Analysis and interpretation of NGS and other types of high-throughput genomic data
- Design and implementation of computational strategies, workflows, tools, and algorithms for our NGS analysis pipeline

Your Qualifications:
- A PhD in bioinformatics, systems biology, or computer science
- Documented research experience in computational biology
- Prior experience in processing and managing high-throughput sequencing data is desired
- Strong programming skills in Java as well as scripting languages (perl, python) and R
- Comfortable with Linux/Unix environment, databases (MySQL)
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Our Offer:
- Working in an innovative, well-equipped and scientifically stimulating environment
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- To apply, please email a cover letter, CV and contact information of three professional references as one PDF file to w.mewes@helmholtz-muenchen.de
- web: http://www.helmholtz-muenchen.de/en/mips/workgroups/ngs/
- phone: +49 89 3187-3581

**National Research Council**

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- Open to US and non-US citizens

Detailed program information, including instructions on how to apply online, is available on the NRC Web site at: www.nationalacademies.org/rap

Applicants must contact Advisor(s) at the Lab(s) prior to application deadline to discuss research interests and funding possibilities.

Questions should be directed to the:
National Research Council
TEL: (202) 334-2760
E-MAIL: rap@nas.edu

Qualified applicants will be reviewed without regard to race, religion, color, age, sex or national origin.

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Career Feature: March 23

For recruitment in science, there’s only one Science Cancer Research

To apply for these positions, please go to www.tuwien.ac.at/forschung/erc-advanced-grant-2012-2017

For recruitment in science, there’s only one Science Cancer Research

FloodChange: Deciphering River Flood Change

The Vienna University of Technology (TU Wien) announces Post-Doc and PhD positions for the FloodChange (Deciphering River Flood Change) project. FloodChange runs over 5 years and is an Advanced Grant of the European Research Council (ERC - erc.europa.eu), one of the most prestigious funding programmes for fundamental research in Europe.

The key questions addressed by FloodChange are: When, where, how have floods changed in Europe? Why do floods change? How sensitive are floods to changes in land use and climate? How confident can we be about predicting future changes in floods? For the first time, it will be possible to systematise the effects of land use and climate on floods, which will provide a vital step towards predicting how floods will change in the future.

Five Post-Doc and two PhD positions are available in the following research themes:

- Flood-hydrology
- Catchment hydrology
- Climatology/Meteorology
- Regional hydrology
- Soil science/Plant physiology
- Environmental statistics

The working language is English. A capacity and willingness to integrate and collaborate is essential. The PhD students of FloodChange will be enrolled in the Vienna Doctoral Programme on Water Resource Systems (www.waterresources.at), and will directly benefit from its interdisciplinary nature.

A salary is provided according to the TU Wien scheme, together with a significant allowance for travel and research support. TU Wien is an equal opportunities employer. The contracts will be for three years and extension is possible. The preferred starting date is July 1, 2012.

Candidates should send a letter of application, a statement of research interests, copies of education certificates and a Curriculum Vitae to office@waterresources.at (pdf format), or as a hard copy to The Centre of Water Resource Systems, c/o Dr. Gemma Carr, Vienna University of Technology, A-1040 Vienna, Karlsplatz 13/222-2, Austria. Please quote reference: FloodChange.

Application deadline is April 30, 2012. Shortlisted candidates will be invited to a selection seminar. Financial support towards travel expenses is available on request. Information about FloodChange may be viewed at: http://www.hydro.tuwien.ac.at/forschung/erc-advanced-grant-2012-2017

The University of Michigan Life Sciences Institute announces its new Postdoctoral Fellows Program

Fellows at the Life Sciences Institute (LSI) will work within a dynamic and highly innovative community of scientific leaders in the areas of cell biology, structural biology, chemical biology, pharmacology, medicine, physiology and genetics. The LSI is an interdisciplinary research enterprise embedded in the Ann Arbor campus of the University of Michigan.

Housed in a state-of-the-art building—with open labs, high-throughput screening facilities, Cryo-EM imaging, remote beamline access and other sophisticated research tools—the 26 faculty members of the LSI reach across traditional departments and disciplines to answer the most important questions in biomedicine today.

Interested applicants should send the following (in PDF format): a cover letter identifying one or more LSI labs of interest; a curriculum vitae; and arrange to have three letters of reference (in PDF format) sent directly to LSiFellowsprog@umich.edu by May 15, 2012.

For more information, visit www.lsi.umich.edu.

The University of Michigan is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Cancer Research

For more information, visit online @sciencecareers.org

POSTDOCTORAL OPPORTUNITIES

St. Jude Children's Research Hospital

CHEMISTRY POSTDOCTORAL POSITIONS

The Department of Chemical Biology and Therapeutics at St. Jude Children's Research Hospital has several available postdoctoral training positions for exceptionally well-qualified, motivated candidates ready to enter their first fellowship in 2012. These openings are in the fields of medicinal chemistry, synthetic chemistry, drug-discovery, chemical biology or other related fields. The research programs within the department are oriented towards the synthesis and testing of small molecules targeted to catastrophic pediatric infectious disease and cancer.

For more information concerning the faculty and ongoing research, please visit http://www.stjude.org/research and click on the Postdoctoral Research Opportunities link.

An Equal Opportunity Employer

www.stjude.org

For recruitment in science, there’s only one Science Cancer Research
Bioinformatics and Systems Biology Core Facility Director
Systems Biology Center
Division of Intramural Research (DIR)
National Heart, Lung and Blood Institute (NHLBI)
National Institutes of Health (NIH)
Department of Health and Human Services (HHS)

We seek a Staff Scientist with expertise in Bioinformatics and Computational Biology to direct a newly created Bioinformatics and Systems Biology (BSB) Core Facility to serve the needs of intramural scientists in the National Heart, Lung, and Blood Institute, Bethesda, MD USA. The successful applicant will interact with scientists to optimize the design and interpretation of basic and clinical research experiments using state-of-the-art DNA-sequencing, mass spectrometry, and other techniques. He/she will supervise staff in the core, provide high level data analysis, foster interactions among scientists in NHLBI, and develop new computational solutions to specialized bioinformatics problems. State-of-the-art IT infrastructure will be provided.

The BSB Core Facility is part of an NHLBI DIR initiative in systems biology. While the core is oriented towards providing service and conducting collaborative research, the Director can devote up to 20% of his/her time to innovative and independent research in integrative computational biology. The overall mission of the DIR is to improve health through basic and clinical research, research training, and translation of discoveries to new tools to be applied directly to the field of medicine.

We seek an experienced scientist (Ph.D., M.D., or equivalent) with significant experience in large-scale data analysis, data integration, data mining, optimization techniques, algorithm design and development, and data visualization, as evidenced by citable publications. Experience with deep sequencing data and protein mass spectrometry data is highly desirable, and excellent interpersonal skills are required. Salary will be commensurate with qualifications and experience. More detailed information about the NHLBI Division of Intramural Research may be found at: dirweb.nhlbi.nih.gov.

Applicants should submit the following: cover letter highlighting key qualifications, current curriculum vitae with complete bibliography, names and contact information of three references, a one-page summary of the applicant’s philosophy of core facility operation, and a list of three publications that provide evidence of relevant skills along with corresponding PDF copies of these publications.

The advertisement will remain open until the position is filled. PDF versions of documents sent by electronic mail are strongly preferred. Materials should be sent to Dr. Koji Zhao c/o: Katherine O’Brien, Administrative Officer, NHLBI, by email: obrienk@nhlbi.nih.gov.

HHS and NIH are Equal Opportunity Employers

CIFAR’s Junior Fellow Academy

The Junior Fellow Academy is an elite fellowship program for gifted early career scholars within the first three years of obtaining their Ph.D.

Junior Fellows join one of CIFAR’s innovative interdisciplinary programs for two years, where they are mentored by and interact closely with some of the best researchers in Canada and around the world. Through the Junior Fellow Academy, they also become part of a community of peers, interacting regularly with Junior Fellows from all twelve programs. These experiences offer unique opportunities to build research and leadership capacity, as Junior Fellows are encouraged to think broadly and imaginatively across disciplines. The impact on a developing career path can be profound.

CIFAR Junior Fellowships are held in conjunction with a university appointment. Most Junior Fellows work as postdoctoral fellows supervised by at least one CIFAR program member. Candidates in the social sciences and humanities may hold a junior faculty position.

For more information on Fellowship eligibility, value and how to apply, please visit our website: www.cifar.ca/JFA.

Department of Biology Temporary Assistant Professor of Marine Biology

The Department of Biology at the University of Hawai‘i at Mānoa seeks temporary part-time faculty to teach courses during the fall and/or spring semesters in a new graduate course series in Marine Biology for the 2012-2013 academic year. Highly qualified established faculty or sabbatical candidates with excellent communication skills are sought to teach lecture and lab content that includes a comprehensive survey of marine organisms, ocean and reef environments, ecological processes and current impacts on marine systems. The successful candidate(s) will work with existing Biology faculty to develop and implement these new graduate courses which are under development. Applicants must have a current faculty appointment in the life sciences with return rights to another institution, research experience in biological oceanography or marine biology and excellent teaching skills at the graduate level.

To apply, please send a single PDF document to nblescsh@hawaii.edu referencing position no. 84182T, that includes: a cover letter indicating your teaching experience, research interests and how you satisfy the minimum and desirable qualifications; a detailed curriculum vitae; three representative publications; and the names and contact information (including email address) for three professional references. Direct inquiries to Dr. Tim Tricas (tricas@hawaii.edu).

POSTDOCTORAL OPPORTUNITIES

Department of Biology Visiting Assistant/ Associate/Full Professor of Marine Biology

The Department of Biology at the University of Hawai‘i at Mānoa seeks part-time professors to teach courses during the fall and/or spring semesters in a new graduate course series in Marine Biology for the 2012-2013 academic year. Highly qualified established faculty or sabbatical candidates with excellent communication skills are sought to teach lecture and lab content that includes a comprehensive survey of marine organisms, ocean and reef environments, ecological processes and current impacts on marine systems. The successful candidate(s) will work with existing Biology faculty to develop and implement these new graduate courses which are under development. Applicants must have a current faculty appointment in the life sciences with return rights to another institution, research experience in biological oceanography or marine biology and excellent teaching skills at the graduate level.

To apply, please send a single PDF document to nblescsh@hawaii.edu referencing position no. 84182T, that includes: a cover letter indicating your teaching experience, research interests and how you satisfy the minimum and desirable qualifications; a detailed curriculum vitae; three representative publications; and the names and contact information (including email address) for three professional references. Direct inquiries to Dr. Tim Tricas (tricas@hawaii.edu).

The University of Hawai‘i is an Equal Opportunity/Affirmative Action Institution and encourages applications from women and minority candidates.

The University of Hawai‘i is an Equal Opportunity/Affirmative Action Institution and encourages applications from women and minority candidates.
Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile and is a center for research in a wide range of scientific disciplines, including space exploration, geophysics, renewable energy, supercomputing, medicine, and nanotechnology.

PRINCIPAL ASSOCIATE DIRECTOR
Science, Technology and Engineering

The Principal Associate Director, Science, Technology and Engineering (PADSTE) is a senior leader at Los Alamos and reports to the Laboratory Director. The role of the PADSTE is to be a steward of the Laboratory’s broad scientific and engineering capabilities and to develop and implement strategies to ensure Los Alamos’ preeminence as a national security science laboratory. The responsibilities include: leading five technical directorates, collaborations with universities, and the supporting science infrastructure that includes the research library, technology transfer, educational programs, and institutional computing. PADSTE is the responsible line manager of approximately 4300 scientists, engineers, post docs and students that work to support the Laboratory’s three missions—assurance of the nuclear deterrent, reducing global threats, and energy security. PADSTE is directly responsible for the basic science and energy programs at Los Alamos ($270 million in FY 11), and the Laboratory Directed Research and Development program ($133 million in FY 11). Overall, the PADSTE organizations execute a budget of approximately $1.3 billion across all laboratory programs.

Minimum Job Requirements:
PADSTE is the recognized chief science officer at the laboratory and must have a substantial and accomplished record in scientific research, especially in science or engineering related to national security. The distinguished track record should be evidenced by publications, honors and awards. The science and engineering enterprise at Los Alamos is complex; therefore the PADSTE must have a demonstrated ability to lead and manage a large mission focused organization. The PADSTE will have a record of commitment to sound business practices, safety, quality, security, environment, health, career development of scientists and engineers and diversity. As a senior laboratory leader, PADSTE will have demonstrated experience in effective decision-making and creative problem solving, and an enthusiasm to work as a member of a high performance senior leadership team. Candidates must demonstrate the ability to interact with all levels of personnel and customers, including government sponsors and industry, using excellent interpersonal, oral and written communication skills. This position requires a Q access authorization. Applicants must have the ability to obtain a Q clearance, which usually requires U.S. citizenship.

Desired Skills:
Successful experience in program development with DOE and other Federal Agencies with a science mission. Experience with interactions at the Secretarial Level. An active Q clearance is desired.

Education:
PhD in a science or engineering discipline.

Please apply online at [http://go.usa.gov/Q7L](http://go.usa.gov/Q7L) (please note web address is case sensitive)

AA/EOE
Assistant Professor in
Postharvest Biology and Food Safety

Research focus on postharvest plant biology with emphasis on the influence of plant biology of produce or other plant based foods upon associated microbiota, including human pathogens, research on unexplored aspects of plant/microbiota phyllosphere interactions. Develop improved handling strategies in food availability, safety, and defense. Work with academic and industrial contacts to apply knowledge of plant-microbial interactions to optimize postharvest management strategies under different environmental conditions. Identify key phenotypic or molecular traits that could improve handling strategies and food safety. Conduct mission oriented research and outreach of relevance to the California Agricultural Experiment Station; expected to operate well in multi-disciplinary teams focused on the development of practical solutions to critical issues related to food safety and postharvest handling of specialty crops grown in California and across the world, expected to contribute to teaching of core courses in the Plant Sciences undergraduate curriculum and to develop new courses in their area of expertise; teach at the graduate level within her/his area of research expertise. Advise and mentor undergraduate and graduate students, participate in departmental, college, and campus committees and interact with state, regional and national organizations as appropriate.

QUALIFICATIONS: Ph.D. or equivalent level of experience in plant physiology, plant biology, postharvest biology, plant microbial interactions or related fields.

SALARY: Commensurate with qualifications and experience.

TO APPLY: Register online at http://recruitments.plantsciences.ucdavis.edu. Applications accepted through April 18, 2012.

UC Davis is an Affirmative Action/Equal Employment Opportunity Employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.

Maryland Sea Grant College Program

Director

The University of Maryland Center for Environmental Science and its partner institutions are seeking a dynamic and visionary director to build on Maryland Sea Grant’s (MDSG) tradition of excellence to lead the organization into the future. MDSG is one of 30 regional programs, funded in part by the National Oceanic and Atmospheric Administration, that work in support of environmental stewardship and the long-term economic development and responsible use of America’s coastal resources. The Director will be responsible for: (1) promoting and supporting rigorous and creative research on the Chesapeake Bay and the region’s coastal marine environment, (2) synthesizing and communicating the implications of this research to stakeholders and communities that rely on these environments, (3) supporting extension education, (4) coordinating MDSG’s activities with the National Sea Grant program and other regional partners and (5) directing an office of 12 staff, based in College Park, MD.

The ideal candidate will have a research background and experience of administration. Clear communication and leadership skills are essential. An earned PhD or equivalent professional qualification is preferred. The successful candidate may be eligible for a faculty appointment within the University System of Maryland. To apply, please send a curriculum vitae and a statement that provides a personal vision of Sea Grant’s role in integrating research, outreach and extension education for Maryland and the region. Please include the names and contact information for three potential references. Applications should be sent to director@cbl.umces.edu by April 20, 2012 to receive full consideration.

The University of Maryland Center for Environmental Science offers a competitive salary and benefits package, dependent on qualifications. UMCES is an Affirmative Action/Equal Opportunity Employer. We promote excellence through diversity and encourage women and minorities to apply.

Seeking a path to...

- developing your career internationally?
- starting your own research group?
- getting published quickly?
- in an interdisciplinary, English-based research environment?
- collaborating with the world’s top cell biologists, chemists, and physicists?
- in Kyoto, the cultural heart of Japan?

Consider: iCeMS

The WPI Inst for Integrated Cell-Material Science. Apply by April 30 for multi-year iCeMS Kyoto Fellow (independent Asst Prof) positions, including ample startup funding. Send a brief CV to: info@icems.kyoto-u.ac.jp See our website for details, institute research objectives, & bios of the five current fellows.

www.icems.kyoto-u.ac.jp/e

Founded in 1911, The University of Hong Kong is committed to the highest international standards of excellence in teaching and research, and has been at the international forefront of academic scholarship for many years. The University has a comprehensive range of study programmes and research disciplines spread across 10 faculties and about 100 sub-divisions of studies and learning. There are over 23,400 undergraduate and postgraduate students coming from 50 countries, and more than 1,200 members of academic and academic-related staff.

Tenure-Track Assistant Professor in the Department of Chemistry (Ref.: 201200165)

Applications are invited for tenure-track appointment as Assistant Professor in the Department of Chemistry, from July 1, 2012 or as soon as possible thereafter. The post will initially be made on a three-year term with the possibility of renewal upon mutual agreement. Appointment with tenure will be considered during the second three-year contract.

Applicants should possess a Ph.D. degree in Chemistry with research interests in Materials, Energy and Environment. The appointee is expected to develop a vigorous and independent research program and excel in both undergraduate and postgraduate teaching. A suitable start-up fund for research will be provided. Information about the Department can be obtained at http://chem.hku.hk/.

A globally competitive remuneration package commensurate with the appointee’s qualifications and experience will be offered. At current rates, salaries tax does not exceed 15% of gross income. The appointment will attract a contract-end gratuity and University contribution to a retirement benefits scheme, totalling up to 15% of basic salary, as well as leave, and medical benefits. Housing benefits will be provided as applicable.

Applications should be submitted to the Department by e-mail to chemcir@hku.hk. Please indicate clearly “Ref.: 201200165” in the subject of the email. Application forms (341/1111) can be obtained at http://www.hku.hk/apptunit/form-ext.doc. Further particulars can be obtained at http://jobs.hku.hk/. Closes April 30, 2012

The University thanks applicants for their interest, but advises that only shortlisted applicants will be notified of the application result.

The University is an equal opportunity employer and is committed to a No-Smoking Policy.
Would you like to work at a University where great minds thrive?

FACULTY OF BIOLOGICAL SCIENCES
CHAIR VACANCIES

The Faculty of Biological Sciences is one of the leading groups of life-science researchers within the UK, offering superb facilities, providing a high quality research training environment and delivering an exceptional student education. Significant investments in our infrastructure contribute to the dynamic and vibrant research environment that offers excellent opportunities for leading edge research across the breadth of Biological Sciences as well as superb cross Faculty interactions across a spectrum of disciplines. With around 2000 undergraduate students, 150 taught post graduate students and 200 research post graduate students we take pride in our teaching and we are committed to providing students with the very best student experience through research-led teaching and excellent academic support.

We wish to enhance the Faculty's academic leadership and promote growth through the appointment of four new Chairs. Applicants for these Chairs will be leading authorities in the relevant field with a strong track record in journal publications and research funding. You will have experience of winning research grants from a variety of sources and leading research teams. You will need to demonstrate the potential to develop large multi-disciplinary funded collaborations and take on leadership roles both within the Faculty and in the wider University context. With the ability to inspire students and colleagues alike, you will have a track record of integrating research with learning and teaching. All of these skills and attributes combined will enable you to deliver an excellent student experience.

Professor in Biomolecular Nuclear Magnetic Resonance (NMR)
Institute of Molecular and Cellular Biology
Reference: FBSMC0039

The Institute of Molecular and Cellular Biology has research groups covering all the major techniques of structural biology, with highly effective links to the Schools of Chemistry and Physics and the Faculty of Medicine, under the umbrella of the Astbury Centre for Structural Molecular Biology. We seek to appoint a research leader in the field of biomolecular NMR, who will develop and sustain a research programme of international excellence in biomolecular NMR methods and their application to important questions in biology. We offer excellent facilities for NMR spectroscopy, incorporating recently upgraded 500MHz, 600MHz and 750MHz machines, contributing to an ideal environment for high profile collaborative and multi-disciplinary research.

Professor in Neuroscience
Institute of Membranes and Systems Biology
Reference: FBSMS0023

The Institute of Membranes and Systems Biology hosts a strong group of neuroscientists covering a broad spectrum of research topics and approaches ranging from single molecule neuroscience to in vivo behavioural studies. We are a group with established strong international links with support from industry. Neuroscience research at Leeds principally consists of systems neurophysiology, ion channels, neuronal networks and neurodegeneration. From this well equipped and inspiring environment we will expect you to deliver internationally leading research and inspirational teaching.

Professor in Membrane Biology
Institute of Membranes and Systems Biology
Reference: FBSMS0024

The Membrane Biology Research Group at Leeds plays a leading role in a wide range of research activities on membrane proteins in Europe and internationally. State-of-the-art facilities in X-ray crystallography, electron microscopy, AFM, NMR, electrophysiology, cell imaging, etc are available. In addition to international collaborations there are extensive translational research initiatives with clinicians, chemists, and physicists through our Astbury Centre for Structural Molecular Biology, and our Multidisciplinary Cardiovascular Research Centre. We seek to appoint a research leader in the field of membrane biology who will develop and sustain this internationally recognised area of our research and deliver inspirational teaching.

Professor of Sports & Exercise Science
Institute of Membranes and Systems Biology
Reference: FBSMS0022

We are seeking a dynamic and influential Chair in Sports and Exercise Science that will help us achieve our ambition to be one of the top five University departments in our field. Our Sports and Exercise Science research spans from molecular, cellular and computational studies of the cardiovascular system to studies of the impact of physical activity on human physiological and motor function, in health and disease. A major infrastructure development has just been completed, providing purpose built laboratory space for cardiovascular research in a prime site within the Faculty.

For further information and to apply, please visit www.universityofleedschairs.co.uk
Tenure Track Position in Nutrition and Food Science
The University of Missouri

The University of Missouri invites applications for a tenure track faculty position in the area of nutritional sciences and food sciences for an appointment 75% in the Department of Nutrition and Exercise Physiology and 25% in the Department of Food Science. The successful applicant will have a PhD in Nutrition or closely related discipline with postdoctoral research experience. At the assistant professor level, strong promise of obtaining and sustaining a nationally funded research program is expected. For more senior levels, an established track record of external funding is expected. The NEP department is part of three colleges, College of Human Environmental Sciences, College of Agriculture Food and Natural Resources (CAFNR), and the School of Medicine. The tenure home for this position will be in CAFNR. In the Fall of 2013 a newly renovated building will open including the MU Nutritional Center for Health (MUNCH) consisting of a research metabolic kitchen, a state of the art teaching kitchen and observational behavior lab. In addition new wet lab facilities and human research facilities will be included. MUNCH will be located near the MU Child Development Lab and researchers with an interest in obesity or childhood obesity are especially encouraged to apply. In addition excellent facilities are available in the Department of Food Science including a well-equipped sensory lab and wet labs. The successful applicant will have a research program that will utilize these facilities. It is expected the faculty will contribute to undergraduate and graduate education in the department. This search is associated with the Food for the 21st Century Nutrition for Health Group, an interdisciplinary team of researchers built on a strong tradition of interaction between physical, biological and agricultural sciences on this campus. Information about the departments can be found at the departmental links (http://ns.missouri.edu and http://foodscience.missouri.edu). Review of applications will begin immediately and will continue until the position is filled.

Successful candidates will be provided with excellent laboratory space, start-up funds, an annual operating budget of $75,000 per year for a minimum of five years and a salary commensurate with experience. Located midway between St. Louis and Kansas City, Columbia is a vibrant university town that is consistently ranked among the top small cities to live in America. To apply for this position (job posting reference #7062), please visit the MU website at http://hr missouri.edu/find-a-job/academic/. Please submit curriculum vitae, a narrative of research and educational interests, and the names and contact information of three references. For additional information about the position, please contact: Deb Garrett, Business Manager, Department of Nutrition and Exercise Physiology at Garretttd@missouri.edu or 573-884-1387.

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

Download this free booklet ScienceCareers.org/LOrealWiS

This booklet is brought to you by the AAAS/Science Business Office in partnership with the L’Oreal Foundation
Professor of Human-Environment Systems

The Department of Environmental Systems Science at ETH Zurich (www.usys.ethz.ch) invites applications for an Associate/Full Professorship in Human-Environment Systems. The Department’s strategic themes include ecosystem services, resource scarcity, climate change, food security, health and environment.

The candidate should have proven expertise in analysing human-environment interactions on the global, regional and/or local scale, including human decision making. A strong quantitative focus is required, e.g. through the application of integrated modelling combining Natural and Social Sciences. A transdisciplinary approach to research (i.e. involving science-stakeholder discourse) is a plus. Candidates with outstanding scientific track records in related fields will be considered, but preference will be given to candidates with a background in Social Sciences or a multi-disciplinary background. The candidate is expected to establish a recognised research group and to integrate into research activities in related fields at ETH Zurich and within the Department. The Professorship forms part of the inter-departmental Institute for Environmental Decisions and is co-responsible for the focus Human-Environment Systems within the Master and Bachelor programme in Environmental Sciences. The new Professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

Please apply online at www.facultyaffairs.ethz.ch. Your application should include your curriculum vitae and a list of refereed publications. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Ralph Eichler. The closing date for applications is 15 May 2012. ETH Zurich is an equal opportunity and affirmative action employer. In order to increase the number of women in leading academic positions, we specifically encourage women to apply. ETH Zurich is further responsive to the needs of dual career couples and qualifies as a family friendly employer.

Breakthrough Research

Inspired by nature: By studying sea urchins, corals and snails, UCR engineers learn to synthesize new materials like lightweight armor and flexible ceramics.

Explore more sustainability impacts: promise.ucr.edu
ScienceCareers.org/booklets

From technology specialists to patent attorneys to policy advisers, learn more about the types of careers that scientists can pursue and the skills needed in order to succeed in nonresearch careers.

The School of Health, Physical Education, and Recreation (HPER) is in the midst of transition into Indiana University School of Public Health – Bloomington. The school invites applications for Professor and Chair of the Department of Environmental Health.

The Chair will be instrumental in leading the department in the continuing development of research, teaching, and service activities in the department’s professional disciplines. An established record in funded scientific research is essential along with the capacity to mentor junior faculty regarding tenure and promotion. The Chair is expected to secure financial resources to meet program objectives; and facilitate interaction among faculty, staff, students, and alumni. As the department continues to develop, the chair will be instrumental in recruiting and hiring additional faculty. The successful candidate will work closely with the Dean to further the School’s goals and research mission.

Candidates for the position must hold a Ph.D. in Environmental Epidemiology, or Environmental Policy, or Environmental Health from an accredited school of public health or related educational institution, have several years of funded research in their discipline, a record of demonstrated scholarly achievement, an ability to collaborate across disciplines, significant administrative experience, and national/international professional engagement sufficient to warrant tenured Full Professor rank.

Salary is competitive depending upon qualifications and experience. This is a tenured 12-month academic appointment with an anticipated start date of July 1, 2012. Review of applications will begin March 31, 2012 and continue until position is filled. Visit the department website for details on applying http://www.envh.indiana.edu/positions.shtml.

Indiana University is an Equal Employment Affirmative Action Employer committed to excellence through diversity.

The Center of Excellence in Infectious Disease Research at the Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center, El Paso, Texas is seeking highly qualified candidates for tenure track faculty positions at the Assistant or Associate Professor level. The Center is primarily interested in investigators with research interests in infectious diseases and immunology. The position reports to the Co-Directors of the Center of Excellence for Infectious Diseases.

Minimum Qualifications:
• M.D. or Ph.D. Degree in a field related to infectious diseases or immunology,
• 3 years of postdoctoral experience, strong publication record
Experience in emerging infectious diseases and in the use of latest technologies is highly preferred. Investigators with funded grant support are particularly encouraged to apply and will be considered for the rank of Associate Professor. The selected candidate should have an interest in assisting with the development of a new Graduate School of Biomedical Sciences, a willingness to start something new and to help a new institution to grow and develop. Good communication skills and demonstrated ability to work in a collegial environment are essential.

A competitive salary, start-up package and comprehensive benefits are available. Interested candidates must apply online at http://jobs.texastech.edu/postings/44170; Requisition #85288. For further information, potential applicants may send inquiries to: Manjunath Swamy, M.D., manjunath.swamy@ttuhsc.edu or Premlata Shankar, M.D., premlata.shankar@ttuhsc.edu, Co-directors of the Center of Excellence for Infectious Diseases.

Texas Tech University Health Sciences Center is an Equal Opportunity/Affirmative Action Employer.
Sanofi - Institut Pasteur 2012 Awards
€ 480 000
For biomedical research

Inspired by Pasteur Supported by Sanofi

CALL FOR NOMINATIONS:
Sanofi and Institut Pasteur have decided to create together the "Sanofi - Institut Pasteur Awards".

The Sanofi - Institut Pasteur Awards will honour and support four researchers, selected by a distinguished international Jury, whose outstanding work shows real scientific progress in the life sciences, specifically in the four following fields:
- Tropical and neglected diseases
- Innovative vaccines
- New approaches to drug resistance
- Therapeutic approaches to senescence: immunology, neurobiology and regenerative medicine

www.sanofi-institutpasteur-awards.com

JURY:
Prof. Peter C Agre, Prof. Elizabeth H. Blackburn, Prof. Pascale Cossart, Prof. Alaè Oucry, Prof. Depui Liu, Dr Robert Sebag, Dr Elias Zerhouni.

AWARDS AND PROCEDURE:
The four winners will each receive an award of 120 000 euros, one third for themselves (€ 40 000) and two thirds to support their future research (€ 80 000). Information and nomination forms will be available for download beginning on Monday, 20th February on the website www.sanofi-institutpasteur-awards.com

Deadline to submit nominations: Friday, 20th April 2012.

Karolinska Institutet
seeks
President

Karolinska Institutet seeks president. If you are interested, please contact the chairperson of the board, Susanne Eberstein, tel: +46 70 252 66 90 or via +46 8 524 864 77.

For further information: ki.se/newpresident

Karolinska Institutet is one of the world’s leading medical universities. Its mission is to contribute to the improvement of human health through research and education. Karolinska Institutet accounts for over 40 per cent of the medical academic research conducted in Sweden and offers the country’s broadest range of education in medicine and health sciences. Since 1901 the Nobel Assembly at Karolinska Institutet has selected the Nobel laureates in Physiology or Medicine.
Get a Career Plan that Works.

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

Duke University seeks nominations and applications for the position of founding Vice Chancellor (VC) for Duke Kunshan University. Duke Kunshan University (DKU) is a partnership of Duke University, the city of Kunshan in Jiangsu Province, China, and Wuhan University to create a world-class university that will offer a range of academic programs and conferences for students from China and throughout the world. DKU’s application to the Chinese Ministry of Education is currently in review. The state-of-the-art DKU campus is now under construction on a 200 acre site within a 1,700+ acre science and technology park in Kunshan. Located in close proximity to both Shanghai and Suzhou, and connected to both by high-speed rail, the city of Kunshan is a center for business and high-tech research and manufacturing that has one of the fastest growing economies in China.

The position of VC is the senior academic and administrative officer responsible for planning and delivering academic programs at DKU, and representing DKU programs in China, the US, and internationally. As the VC will be the public face of DKU’s academic programs, he or she must be a scholar of international stature and an experienced academic administrator who can help lead DKU to world-class status. In accordance with the structure of joint venture universities in China, the VC will report to the DKU Chancellor and work closely with the Provost and the leadership of Duke University to fulfill the mission and attain the standards expected for DKU.

Candidates for the VC position should have a track record of internationally recognized scholarship, significant academic leadership experience at the level of Dean, Vice Provost, Vice President, or above at a major American research university, and an appreciation for and experience with the international dimensions of higher education. The full position description and additional information can be found at www.dkuemployment.com. Nominations and applications will be held in confidence and should be submitted promptly. Applicants should submit a CV and a statement of interest. The search committee will begin reviewing applications during the latter half of March and continue until the position is filled. Please send information electronically (Microsoft Word or Adobe Acrobat files preferred) to: Jennifer Boroski, Project Coordinator, Office of Global Strategy and Programs, Duke University; Jennifer.boroski@duke.edu; +1-919-613-3764.

Tenure-Track Research Assistant/Associate Professor

The Department of Pathology and Laboratory Medicine at the University of North Carolina at Chapel Hill invites applications for tenure-track research faculty positions at the Assistant or Associate Professor level. Candidates must have a PhD and/or MD and a record of research accomplishments demonstrated by publications in leading peer-reviewed journals, and a well-defined research vision. We seek individuals with interests in all areas of experimental pathology, but preference will be given to those whose research complements and enhances the Department’s existing strengths, e.g. in cancer, thrombosis and hemostasis, cardiovascular disease, and renal glomerular disease. Successful applicants at the Assistant Professor level will be expected to establish and maintain an extramurally funded research program. Associate level applicants are expected to have extramural funding and an established national reputation as an excellent investigator. The faculty member will be a member of the Departmental PhD Graduate Program in Molecular and Cellular Pathology and will have the opportunity to join other training programs and curricula in the School.

The Department is a leader in experimental pathology and will provide an excellent environment for research accomplishments and ample start-up funds. The School of Medicine is located on the campus of The University of North Carolina at Chapel Hill, which includes the Schools of Pharmacy and Public Health, as well as the College of Arts and Sciences. The School has many outstanding interdepartmental centers and interdisciplinary research groups. Researchers have ready access to a broad range of core facilities (http://www.med.unc.edu/corefacilities), many based within the Department.

Interested scientists should complete the online application at jobs.unc.edu/2502516. The online application will require an application letter, curriculum vitae, summary of career goals, and names and addresses of 5 references. Inquiries about the position can be directed to Bill Kaufmann, Chair of the Search Committee, at bill_kaufmann@med.unc.edu. For additional information about the Department, visit http://www.med.unc.edu/pathology/.

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UNIVERSITY OF LOUISVILLE
ASSISTANT/ASSOCIATE PROFESSOR

The Institute of Molecular Cardiology at the University of Louisville is seeking qualified candidates to join the members of the Institute in work focusing on cell therapy for myocardial infarction. The successful candidate will have a track record of working with stem/progenitor cells in the cardiovascular system. He/she will join a productive, highly collegial, and multidisciplinary team of investigators supported by state-of-the-art facilities and considerable funds. Submit letter of application with curriculum vitae and statement of interest to: Dr. Roberto Boll, 550 South Jackson Street, ACB, Third Floor, Louisville, KY 40202. Affirmative Action/Equal Opportunity.

TENURE-TRACK FACULTY POSITIONS

The Department of Physiology at Wayne State University (WSU) School of Medicine invites applications for three tenure-track ASSISTANT/ASSOCIATE PROFESSOR positions. We seek motivated individuals with expertise in the areas of molecular, cellular, systems, translational physiology, and/or biophysics to strengthen and complement ongoing multidisciplinary programs in the Department (website: http://physiology.med.wayne.edu). Applicants with specific interest in cardiovascular research will be considered for joint appointment in the Cardiovascular Research Institute (website: http://cvri.med.wayne.edu/index.php).

Startup packages and salaries are highly competitive. Candidates are expected to establish active extramurally funded research programs and participate in teaching medical/graduate students. Candidates must hold Ph.D., M.D., or equivalent and apply with curriculum vitae, detailed research plan and names/contact information of three references to e-mail: wusphysiologyfacultysearch@med.wayne.edu. Review of applications will begin after April 1, 2012 and continue until positions are filled.

WSU offers 350 academic programs through 14 schools and colleges to over 31,000 students in the Detroit Midtown area. WSU School of Medicine is a state-of-the-art research environment, and is rated by the Carnegie Foundation in the top one-third of all U.S. Research Institutions. WSU was also ranked in Scientist Magazine 2009 as one of the Top 40 Best Places to Work among all U.S. Academic Institutions. WSU is an Equal Opportunity/Affirmative Action Employer.

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Contact the Admissions Office, telephone: 800-824-5526 at the New England College of Optometry, 424 Beacon Street, Boston, MA 02115. Additional information at website: http://www.neco.edu, e-mail: admissions@neco.edu.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL FELLOWS

The Institute of Marine and Coastal Sciences at Rutgers University is seeking Postdoctoral Fellows in the areas of biological, chemical, geological, and physical oceanography. Prospective candidates should foster creative research avenues and interactions among existing research programs and faculty expertise. These fellowships are one-year renewable appointments. Review of applications will commence on February 15, 2012—applications will continue to be accepted after that time and reviewed on an ongoing basis. To apply, please electronically send curriculum vitae, statement of research interest, and names of three references to Dr. Richard A. Lutz (Director, Institute of Marine and Coastal Sciences) e-mail: postdocsearch@marine.rutgers.edu (please include “Postdoc” in the subject line). Rutgers is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOW

A full-time Postdoctoral Research Fellow position is anticipated in the laboratory of Dr. Zongbing You in the Department of Structural & Cellular Biology, Tulane University, New Orleans, LA. This laboratory conducts research in IL-17’s role in cancer. M.D. or Ph.D., experiences in cancer biology, molecular and cellular biology, and animal handling are required. The position is currently funded by NIH. Annual salary is estimated as $35,721.00 based on the local prevailing wage level and may be commensurate with experience. Applicants should send curriculum vitae to e-mail: zyou@tulane.edu. Equal Opportunity/Affirmative Action Employer.

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