**PROFESSOR AND ASSISTANT PROFESSOR**

Positions in Systems Biology at the Columbia University Medical Center

The Columbia Initiative in Systems Biology seeks to recruit new faculty that have experimental and/or computational research programs. Although applications from outstanding candidates in all areas of Systems Biology will be considered, areas of focus include next generation sequencing, genome wide proteomics, systems pharmacology, protein sequence and structure analysis and the Systems Biology of cancer, neurodegenerative, metabolic, and cardiovascular diseases.

Recruitments will be made jointly with the Department of Biochemistry and Molecular Biophysics, Genetics and Development, Microbiology, Pathology, Pharmacology and Physiology, as appropriate. It is anticipated that successful candidates will eventually join a new Department of Systems Biology that is currently in the process of formation.

Applications should include curriculum vitae, reprints of no more than three publications, a three to four page description of current research and research goals, and three or more letters of reference. Applications should be addressed to: Ms. Desi Tahiri, Columbia Initiative in Systems Biology, 1130 St. Nicholas Ave 8th Floor Room 801, New York, NY 10032. Applications can also be sent electronically at e-mail: decai@cb2.columbia.edu. Columbia University is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and underrepresented minorities.

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**POSTDOCTORAL POSITIONS**

Department of Physiology
University of Pennsylvania

Postdoctoral position in neurophysiology available to study regulation of BK channels and neuronal excitability by lipid messengers. Patch-clamp electrophysiology experience as demonstrated by publication is required. Knowledge of cell biology, molecular biology, and optical methods is desirable. Send curriculum vitae, reference names, and description of previous research to: Dr. Toshinori Hoshi, Department of Physiology, D100 Richards, 370 Hamilton Walk, University of Pennsylvania, Philadelphia, PA 19104. E-mail: hoshi@hoshi.org.

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**NORTH DAKOTA STATE UNIVERSITY**

Center for Biopharmaceutical Research and Production


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**PHYSICIST**

Lawrence Berkeley National Laboratory has a unique opportunity for a Physicist to participate in a nuclear emission tomography program applied to cardiac diagnostic and environmental remediation research. Must have experience in medical image acquisition, reconstruction, and modeling. Ph.D. or equivalent training is highly preferred. Application website: http://jobs.lbl.gov/details.asp?jobid=25600.

Berkeley Lab is an Affirmative Action/Equal Opportunity Employer.
Senior Faculty positions available in oncologic sciences and interdisciplinary clinical oncology at the USA Mitchell Cancer Institute in Mobile, Alabama

Abraham A. Mitchell
Distinguished Cancer Research Investigator

Abraham A. Mitchell
Distinguished Clinical Cancer Investigator

The Opportunity: The successful candidate will bring an established, well-funded, basic/translational and/or clinical research program and will receive a research expansion funding award in the aggregate total of up to $1,500,000 over a 3-5 year time period, with the goal of further growing the individual’s and the institution’s research grant funding base and enhancing translational research links both internally and externally to the USA Mitchell Cancer Institute. Funds from the award can be used for partial salary support for the awardee and/or member(s) of his/her research team, materials and supplies, other operational expenses and equipment.

State-of-the-art Facilities: The USA Mitchell Cancer Institute offers a robust, interactive scientific environment with fully-equipped laboratories and access to core facilities including flow cytometry, mass spectrometry, tissue biobank, BL3 laboratory, genomics, laser dissection, atomic absorption and advanced imaging. An AALAC-approved vivarium with advanced imaging capabilities is located nearby. More information can be found at www.USAMCI.com.

Community Environment: Experience the best of the Gulf Coast in Mobile, Alabama! With attractions including Bellingrath Gardens, the Gulf Coast Exploreum Science Center & IMAX Theater and the USS ALABAMA Battleship, exciting outdoor adventures, fresh delicious seafood, Delta excursions, fascinating museums, twenty-one world-class golf courses, white sandy beaches, a thriving arts community, and beautiful historic homes, it will be a pleasure to call the Mobile Bay area, the home of Mardi Gras, your home.

Requirements: The successful candidate will have a Ph.D., M.D. or equivalent degree, and an established, well-funded and recognized program of basic/translational and/or clinical cancer research, and other qualifications appropriate for tenured appointment as Associate or Full Professor.

Application Process: Applicants should send letter of interest and CV to Michael R. Boyd, M.D., Ph.D., 1660 Springhill Avenue, Mobile, Alabama 36604, or e-mail to sallen@usouthal.edu.

USA is an Affirmative Action and Equal Opportunity Employer.
The CEPH and the Centre National de Génotypage in association with the European Sequencing and Genotyping Infrastructure are pleased to announce

The 4th Paris Workshop on Genomic Epidemiology

Dates: May 30, 31 & June 1, 2011

The Paris Workshops on Genomic Epidemiology are held every two years to introduce researchers to new methodologies that underpin large-scale genomic studies of diseases and other applications in the life sciences, particularly in the context of on-going research funded by the EU. The last two years have witnessed the emergence of powerful new sequencing methodologies with vast consequences for systems approaches in biology. The inclusion of these into epidemiological scale studies allows the rapid identification of biological markers underlying many diseases. This workshop will discuss progress in these and other technologies for biomolecular analysis, and their applications in research and clinical settings. Solutions will be presented for the accumulation, handling and interpretation of huge data sets, including the identification of rare and common genetic variants associated with disease, functional evaluation of genetic variation, understanding of gene networks and epigenomic phenomena in health and disease, pharmacogenomics, gene-gene and gene-environment interactions. Examples of the application of these technologies for epidemiological scale studies in different disease areas will be presented.

The 4th Paris Workshop inaugurates a major new EU initiative, The European Sequencing and Genotyping Infrastructure (ESGI). The ESGI groups major European genome centres into a single infrastructure designed to increase European access to the most recent genomic technologies. ESGI platforms and access modalities will be presented at the meeting.

Confirmed speakers: Gonçalo Abecasis (U. Michigan, USA), David Balding (U. College London, UK), Robert Feil (IGMM, FR), David Bentley (Illumina, USA) Alvis Brazma (EBI, UK), Anne-Cambon Thomsen (UMR Inserm, FR), Bill Cookson (Imperial College London, UK), Ivo Gut (CNAG, ES), Margret Hoehne (MPI-MG, DE), Richard Houlston (ICR, UK), Norbert Hübner (MDC, DE), Maneesh Jain (Life Technologies, FR), Achillefs Kapanidis (U. Oxford, UK), Peter Laird (U. Southern California, USA), William LaRochelle (Roche, USA), Liang Liming (Harvard, USA), Kerstin Lindblad-Toh (Broad, USA), Yukihide Momozawa (U. Liège, BE), Mats Nilsson (U. Uppsala, SE), Shaun Purcell (MGH, USA), Mark Ratain (U. Chicago, USA), Kathryn Roeder (Carnegie Mellon, USA), Sascha Sauer (MPI-MG, DE), Daniel Schaid (Mayo Clinic, USA), Harold Swerdlow (Sanger, UK), Ann-Christine Syvānėn (U. Uppsala, SE), Jenny Taylor (U. Oxford, UK), Mathias Uhlen (KTH, SE), Hubert Vidal (Inserm/Inra, FR), Hugh Watkins (U. Oxford, UK), Dan Weeks (U. Pittsburgh, USA), John Whittaker (GSK, UK), Kurt Zatloukal (Med. U. Graz, AT).

Organisers: Ivo Gut, Mark Lathrop, Sascha Sauer and Dan Weeks
Place: Maison de la Chimie, 28 rue Saint-Dominique, 75007 Paris, France (Strictly limited to 200 participants)
Sponsors: CEPH, CNG and European Commission FP7 projects: ESGI (Infrastructure), READNA, CAGEKID (large-scale collaborative projects)
Further information and registration: http://www.cng.fr/workshop2011

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**SENIOR POSITION IN HUMAN AND MOLECULAR GENETICS (HMG), VCU INSTITUTE OF MOLECULAR MEDICINE (VIMM) AND VCU MASSEY CANCER CENTER (MCC)**

**VIRGINIA COMMONWEALTH UNIVERSITY (VCU) SCHOOL OF MEDICINE, HMG, VIMM & MCC**

Under the leadership of Dr. Paul B. Fisher the Department of Human and Molecular Genetics (HMG) and the VCU Institute of Molecular Medicine (VIMM) in collaboration with the VCU Massey Cancer Center (MCC) in Richmond, Virginia seeks to recruit a seasoned investigator who focuses on cancer development and progression and whose research bridges the gap between laboratory discovery and clinical trials. Research that employs current genomic discoveries in medicine with an emphasis on translating these findings into improved approaches for diagnosis and treatment of neoplastic diseases are areas of high priority of this institutional initiative.

The ideal candidate will be an experienced investigator who has demonstrated consistent research excellence, with a sustained track record of research funding, high-impact publications, and administrative experience. We are particularly interested in candidates that have managed multifaceted, interactive research programs using hypothesis-based, innovative approaches to address important health-related areas. Candidates with a sustained record of NIH funding will be given the highest priority. Applicants must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU. The appropriate candidate will be recruited at the level of Associate/Full Professor with qualifications commensurate with tenure. This individual will play a major role in VCU SOM and will hold a senior administrative position in HMG and serve as the Associate Director of the VIMM. Additionally, the appropriate recruit may also serve as a Co-Program leader of one of the programs in the MCC.

HMG, VIMM and MCC provide an interactive and collaborative research and educational environment that will facilitate the training of the next generation of research scientists, clinicians and academicians, and will provide a direct conduit for the translation of genetic information from bench-to-bedside. Outstanding state-of-the-art core research facilities with a generous start-up and support package are available for the qualified applicant.

Richmond, VA provides an ideal rural living and cultural environment with affordable housing, outstanding school systems and ready access to other metropolitan areas (including Washington, DC, Baltimore, Philadelphia and New York). Moreover, the City of Richmond and surrounding areas offer a diverse and rich cultural heritage that engenders a high quality of living for its residents.

Interested candidates should provide by e-mail (preferably as a single PDF file): a letter of interest, a curriculum vitae, a description of administrative philosophy, and an outline of research interests and future research directions, with contact information for three to four references to:

Dr. Paul B. Fisher (hmgvimm@vcu.edu)
Department of Human and Molecular Genetics, Virginia Commonwealth University, School of Medicine, 1101 East Marshall Street, Sanger Hall Building, Room 11-015, Richmond, VA 23298-0033

Review of Applications will begin April 1, 2011 and will continue till the position is filled.

VCU is an EEO/AA Employer. Female, Minorities and persons with disabilities are encouraged to apply.
Translating Cancer Research In The New Millennium

Cancer research now reaches far beyond questions of uncontrolled cell division into a more broadly focused ‘total picture’ perspective of a tumor’s proteomic, genomic, and metabolomic landscape. With the dawn of personalized medicine and new technologies allowing next generation sequencing of individual patients’ tumors, a burst of information has been brought forth that needs wrangling in order to advance cancer diagnosis and treatment. This shift has opened new areas of fundamental exploration, and presented scientists with new career opportunities and challenges as they try to navigate the information overload. By Kendall Powell

Even in tough economic times, cancer research has more government backing and private philanthropy donations than many other fields. The National Cancer Institute’s 2010 budget at $3.1 billion is almost double that of the National Institute for General Medical Sciences. “If I were to bet on a stable or growth area against the financial background at the moment, I would be backing biomedical research in cancer,” says Hamish Ryder, director of drug discovery at Cancer Research Technology in London, United Kingdom.

Still, the academic job market has become ultracompetitive as universities struggle to find the funds for starting up new laboratories, notes Karl Saxe, cell biologist and scientific program director of cancer cell biology and metastasis for the American Cancer Society in Atlanta, Georgia. Saxe, who also oversees the peer review of postdoctoral fellowship applications, sees a noteworthy trend—that more lab heads are demanding postdocs arrive with their funding already in hand.

With this current hiring slowdown, researchers need to be creative about looking for posts. But, the good news is that almost any cellular and molecular training can prepare scientists for a career in cancer research. And researchers who pair a strong scientific background—especially in areas such as cell signaling, metabolic pathways, epigenetics, or small RNAs—with the ability to make sense of large data sets gain a leg up on a career in cancer research. This combination of skills easily translates into success in areas beyond the academic realm, too.

For those making job transitions, “I definitely recommend thinking about all the different options, including government and the pharma world, which has long shed its big, bad evil image,” says Saxe. “And people with really good doctoral degrees [in biomedical fields] should be thinking about how to turn themselves into informaticists as well.”

Information specialists with sophisticated scientific training will be essential in the push for personalized medicine, Saxe notes. Large, patient-generated genomic data sets are already the rule at some major cancer centers, and increasingly proteomic and metabolomic data are being added. In addition, clinical testing of new, mutation-specific therapies demand more sophisticated patient-selection strategies. In such settings, both drug developers and regulators “will need to be able to talk to each other intelligently,” explains Saxe. He predicts that “people who are really good at combining omics and mathematical modeling into their own thinking [about biological processes]” will have the best chance at success in the individualized medicine age.

GETTING BACK TO METABOLISM BASICS

The new ‘omics buzzword is metabolomics. But, David Plas, a cancer researcher at University of Cincinnati in Ohio, says metabolomics is a tool in the larger, burgeoning field of cancer metabolism research. Plas studies how dysregulation of AKT signaling impacts cell metabolism and how this leads to apoptosis resistance in cancer cells. He and others hope to capitalize on a renewed interest in the role of metabolism in cancer.

UPCOMING FEATURES

Translational Research: Careers/Training Programs—May 13
Focus On Japan—June 10
Biotech and Pharma: Moving Up The Industry Ladder—June 17
In the 1920s, the Nobel Laureate Otto Warburg proposed that aberrant cellular metabolism might be the cause of cancer, after observing that cancer cells consume more glucose than normal cells through the anaerobic glycolysis process even when oxygen is plentiful. But his ideas were overshadowed by the molecular biology revolution of the 1970s that led to the traditional view that cancer results from an imbalance between oncogene drivers and tumor suppressor genes.

Plas says that the last decade of research has made cancer cell biologists realize that signal transduction pathways control metabolism in more sophisticated ways than a simple response to energy supply and demand. And, Plas explains, similar to the way current therapies attack signaling pathways that control cell cycle and metastasis, targeting the regulation of metabolism signaling pathways has the potential to serve as an avenue for cancer treatments. “We’ve needed to reunify these two sides—[signaling and metabolism]—of cancer biology,” he says.

While Plas works on the metabolism-apoptosis connection, other researchers, from both academia and industry, are probing how cancer cell metabolism affects cell growth and metastasis. One major question: Why does oncopogenesis favor glycolysis over the Krebs cycle and oxidative phosphorylation? The answer, perhaps, lies in the fact that glycolysis produces many more of the precursor building blocks that rapidly dividing cells need to synthesize daughter cells.

“How do cells acquire enough nutrients to maintain homeostasis and live another day?” asks Craig Thompson, president of Memorial Sloan-Kettering Cancer Center (MSKCC) in New York. “Even normal cells have to go into net growth, where the problem isn’t ATP, but rather the [availability of the necessary] building blocks for making nucleotides, lipids, and proteins all over again.”

This question of biosynthesis is pulling another basic cell biology field, autophagy, into the cancer spotlight. Autophagy—literally ‘self eating’—is a process by which cells digest their own internal organelles to recycle their building block components. Once thought only critical for single-cell organisms like yeast, now, Thompson notes, mammalian cells are thought to turn to this desperate measure to get through energetically stressful times, like metastasis.

Plas says scientists need to not only brush up on their biochemistry equations, reactions, and kinetics, but also be able to handle large data sets and, ideally, have mathematical modeling skills. “I’d hire that person in an instant,” says Plas. “I’ll give them the biological problem, they bring the math [skills], and then we’d do some interesting things.”

Ryder notes that his own organization and other academic institutes have recently recruited metabolism experts for their research efforts. “We were looking for [researchers with] an excellent background in biochemistry—but one broader than just a focus on glycolysis and the Krebs cycle. A knowledge of the biosynthesis of lipids, nucleotides, and proteins, and how catabolism and anabolism are linked is also needed,” says Ryder.

For example, to build upon the observation that some cancer cells seem addicted to particular nutrients, such as specific amino acids, Ryder depends upon his team’s knowledge of the biochemical processes that occur as nutrients enter the cell, including the key intermediates and enzymes in pathways, to identify proteins that could serve as potential drug targets.

Ryder also finds experience with cell culture, gene knockdown technologies, apoptosis assays, and metabolite profiling methods—such as mass spectrometry, quantifying metabolites from cell lysates, and the ability to identify key nodes in signaling pathways regulating metabolism—essential for researchers working on his drug discovery projects at the subsidiary of the Cancer Research UK charity.

He notes that the cancer metabolism field is likely to have a long shelf life—with some 1,500–2,000 genes playing a role in metabolism—and has a strong potential for cross-purposed discoveries in the pharmaceutical industry between cancer and metabolic disease.

“Cancer is a horrible example of what can go wrong in multicellular life,” says Thompson. “Almost everything you could do to understand how cells effectively live together will impinge on cancer treatment and diagnosis. The challenge is going to be using a systems biology approach to deconvolute the goals of multicellular life.”

**TAKING ‘OMICs TO THE NEXT LEVEL**

Such a systems approach will require scientists who can weave together large and disparate data sets from the various realms on the ‘omics map—genomes, proteomes, transcriptomes, and metabolomes. Researchers grappling with all that data will be Gustavo Salem’s main clients. As vice-president of the Biological Systems Division of Agilent Technologies in Santa Clara, Salem says scientists need to ‘not only brush up on their biochemistry equations, reactions, and kinetics, but also be able to handle large data sets and, ideally, have mathematical modeling skills. “I’d hire that person in an instant,” says Plas. “I’ll give them the biological problem, they bring the math [skills], and then we’d do some interesting things.”

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Sanford Health, a non-profit, integrated health care system, invites applications for the position of Director of the Sanford National Breast Cancer Institute. Thanks to a recent $100 million gift from Mr. Denny Sanford, Sanford is seeking an outstanding physician-scientist to lead research and clinical activities for a world-renowned destination for breast cancer care and research. Qualified individuals will have demonstrated experience and a national reputation for work in clinical care and translational research and program development. Sanford’s research mission includes the utilization of clinical care delivery capacities toward the growth of clinical research and commercialization.

Sanford Health’s 20,500 employees serve more than two million people in six states. The system includes 30 hospitals with a total of 1,600 beds and employs more than 900 physicians in 70-plus specialty areas. Sanford Research/USD includes more than 175 full-time research staff and has grown to include more than $36 million in annual research expenditures. The system expects significant growth in this area. With main tertiary, research and administrative centers in Sioux Falls, South Dakota and Fargo, North Dakota, Sanford Health is the largest rural health care system in the United States.

Sanford seeks an accomplished clinician scientist and innovative research leader with a track record of building and leading clinical care and research teams. The successful candidate will have had a career as a physician and scientist with progressive administrative responsibilities in building research programs and management functions. It is important that the candidate understand how to integrate research activities within the overall patient care mission of the health system. Finally, the candidate will have a desire to forge strong research collaborations and business relationships, a significant track record of extramural funding, publications and the ability to mentor faculty.

The role will receive significant institutional support, including new, modern laboratory space and state-of-the-art facilities. A comprehensive compensation package will be tailored to the individual’s qualifications. Sanford Health is an Equal Opportunity/Affirmative Action Employer. Applicants should have a MD, PhD or MD/PhD degrees. Candidates should submit a detailed curriculum vita, description of research experience and future plans, and the names of three individuals that would provide recommendation. Application materials should be sent to:

David A. Pearce, PhD
Sanford Health
2301 E. 60th Street North
Sioux Falls, SD 57104

For further information, contact (605) 312-6004 or david.pearce@sanfordhealth.org.
Clara, California, Salem is ahead of the curve in integrating the ’omics sciences.

Traditionally, he says, cancer experts have either been doing discrete genomics or proteomics experiments and then collaborating with groups using different approaches, or they have tried a systems biology approach to ask what is changing across the entire biological system for a specific type of cancer. “Under either scenario, it becomes a bioinformatics nightmare to bring all that information together,” says Salem.

Gathering data from multiple vendors’ instruments and then visualizing or analyzing all the data sets simultaneously is not always possible. But, Agilent is hoping to step into that void by providing tools for visualization and analysis across genomics, next generation sequencing, proteomics, and metabolomics. For example, the Mass Profiler Professional (for mass spec data) and the Gene Spring GX (for genomic data) are written on the same software platform so that protein hits and gene lists can be compared directly.

“This integrated biology approach is really gaining a lot of attention and a lot of steam,” says Salem. “There will be a need for people who can really speak about bioinformatics and computational biology, and who know how to use mass spectrometers and microarrays.”

And the information flood has not even begun to crest, as major worldwide projects such as the International Cancer Genome Consortium (based at the Ontario Institute for Cancer Research in Toronto), the Cancer Genome Atlas (based at the National Cancer Institute in Bethesda, Maryland), and the Cancer Genome Project (based at the Wellcome Trust Sanger Institute in Hinxton, United Kingdom) get under way. The genome consortium, for example, aims to catalog the genetic mutations, changes in gene expression, and epigenetic changes across 500 cancer samples from each of 50 different cancer sites.

From those reams of data, says Jim Maher, a cancer researcher and associate dean of the Mayo Graduate School in Rochester, Minnesota, the ultimate challenge will be pulling out which changes are actually causative. “Even with comparative genomics and arrays, there will be a lot of information that is not indicative of what’s really going on,” he explains. “To sort that out, we’re going to need really clever biologists.”

PERSONALIZED MEDICINE USING INFORMATICS

One sort of clever biologist, the bioinformatics specialist, will be indispensable in cancer research centers, be they academic-, hospital-, or industry-based. Although Simon Vincent, head of personal awards funding at Cancer Research UK in London, says he is reluctant to name any one area as “hot.” He explains that he “would not have predicted 10 years ago that today it would be metabolism and the Warburg effect.” Though he does point to one area with the promise of staying power: stratified medicine.

“There will be a need for people who can really speak about bioinformatics and computational biology, and who know how to use mass spectrometers and microarrays.”

—Gustavo Salem

“Taking all of the information about the biology of [specific] tumors and using that to decide the best treatment course for patients and getting them into the right trial—that will have longer term impact,” says Vincent.

Cancer Research UK, Europe’s largest private funder of disease-specific research, has funneled a significant portion, about US$26 million (£16 million), of their approximate US$530 million (£333 million) budget toward patient-stratification research. Vincent’s organization will act as a coordination center to bring together its funding mechanisms and five core research institutes and use the benefits of the United Kingdom’s centralized healthcare system and records.

“One of the challenges for scientists highly skilled in data manipulation and informatics is to pull all [these data sets] together, be they genetic, patient, or hospital data sets, to inform research,” says Vincent. In addition, he says, the long history of centralized records makes the United Kingdom a leader in both classical epidemiology and genetic epidemiology of cancer. He notes an early example of the power of bioinformatics in cancer research was the identification of the BRAF gene as a driver in melanomas through the Cancer Genome Project.

Salem agrees that informaticists will be the gatekeepers of personalized medicine. He points to the WIN Consortium, or Worldwide Innovative Networking in personalized cancer medicine, a group of 22 cancer centers worldwide that will be implementing a common system for gathering microarray data from all their patients, which should enable them to track patients over time and divide data into subpopulations. One of the founding centers, the Institut de cancérologie Gustave-Roussy in Villejuif, France has been collecting patient tumor samples, whisked from the operating room to the hospital’s laboratory in pneumatic tubes, for the last eight years.

“More and more centers are becoming interested in getting [multiple] ’omics data sets from patients,” says Salem. And this trend, which started with cancer research, is rapidly moving towards other fields, such as neurology, cardiology, and metabolism. “There will be a significant increase in the number of people needed to understand the scientific output from clinical labs,” he explains.

Given the complex nature of the changing landscape in cancer research, the researchers who are likely to be in high demand and get the jobs are “the most curious people, who have changed their projects frequently and are not locked into any particular field,” says Maher. “And, those who have deliberately cross-trained.”

Kendall Powell is a freelance science writer based in Lafayette, Colorado. DOI: 10.1126/science.opms.1100102
The Yale Comprehensive Cancer Center, its brand new Cancer Biology Institute, and the Yale School of Medicine invite applications from basic science investigators for junior or senior appointments with interests in cancer biology, in the areas of cancer genetics and genomics, signal transduction, structural biology, proteomics, and mass spectrometry, as well as drug discovery. The Cancer Biology Institute is one of 5 newly formed multi-disciplinary research institutes at Yale’s West Campus, a 136 acre parcel located 7 miles from Yale’s New Haven campus that includes 20 buildings and 1.6 million square feet of research, office, and warehousing space. Additional West Campus assets include the Institute of Chemical Biology, Institute of Microbial Diversity, Institute of Systems Biology, Institute of Biodesign, as well as core facilities in high throughput cell biology, small molecule discovery, and genomic analysis. The position will have a role in defining and implementing the vision for cancer biology research at Yale going forward. This includes developing translational research opportunities with the recently opened Smilow Cancer Hospital at Yale-New Haven. Appointment at Yale Medical School is available in a number of departments and will be commensurate with a demonstrated record of scholarly achievement. Of particular importance is experience in one or more of the following: a record of original research in cancer biology, independent extramurally funded laboratory investigation for senior applicants, engagement in translational research activities, and/or the development of strong cooperative teams across disciplines. Women and minority candidates are urged to apply.

Please submit a letter describing qualifications, with a CV and three letters of reference by [30 days from publication date] to: Dr. Joseph Schlessinger, Director, Cancer Biology Institute, Yale Cancer Center, c/o Vickie Johnson, 333 Cedar St., PO Box 208028, New Haven, CT 06520-8028.

Yale University is an Equal Opportunity/Affirmative Action Employer.

The University of Texas at Austin

Virology Position

The Department of Molecular Genetics and Microbiology at the University of Texas at Austin invites applicants for a tenure-track/tenured faculty position in virology at the Assistant, Associate or Full Professor level. Candidates should have an outstanding record of research productivity and a well-conceived research plan. We will consider candidates studying broad topics in virology, including the molecular biology of replication and gene expression of animal viruses, virus-host interactions, innate immunity, and viral pathogenesis in animal models. We seek an investigator who will build an active, funded research program and will teach effectively at the undergraduate and graduate levels. The successful candidate will be eligible for membership in the Institute for Cellular and Molecular Biology. We will have access to its extensive core facilities, and will have the opportunity to participate in several graduate programs. The position offers excellent start-up funds, salary and laboratory space in a new building that is part of a dynamic, highly interactive research environment. Austin is located in the Texas Hill Country and is widely recognized as one of America’s most attractive and livable cities.

Please send a single PDF file containing your curriculum vitae, summary of research interests, and names of three references to Dr. Robert M. Krug, Professor and Chair, Molecular Genetics and Microbiology: mgm_virologysearch@biosci.utexas.edu. References should also send their letters directly to the same email address. This position will remain open on an ongoing basis until filled.

Homepages • http://www.biosci.utexas.edu/mgm/ • http://www.icmb.utexas.edu

The University of Texas at Austin is an Equal Opportunity Employer. Qualified women and minorities are encouraged to apply, a background check will be conducted on applicant selected.

UNIL | Université de Lausanne

THE FACULTY OF BIOLOGY AND MEDICINE OF THE UNIVERSITY OF LAUSANNE, SWITZERLAND INVITES APPLICATIONS FOR A POSITION OF

FULL PROFESSOR DIRECTOR OF THE LUDWIG CENTER FOR CANCER RESEARCH OF THE UNIVERSITY OF LAUSANNE

This center (LICR@UNIL, www.unil.ch/licr), representing a new formal collaboration between the Ludwig Institute for Cancer Research and UNIL, will be based at the University’s hospital and biomedical campuses (CHUV and Epalinges). The focus will be on basic, translational, and clinical cancer research, involving current Ludwig-supported faculty with expertise in tumor immuno-biology and immunotherapy as well as future to-be-appointed faculty focused on other aspects of tumor biology, cancer genetics and experimental therapeutics.

The Director is anticipated to be an accomplished mid-career cancer scientist with the ability to lead LICR@UNIL as well as attract and mentor new faculty. The Director will also contribute to new developments including the establishment of a new Department of Oncology at CHUV/UNIL, and of an integrated regional cancer center in conjunction with the Swiss Institute of Experimental Cancer Research (ISREC) and its parent institution, the Swiss Federal Institute of Technology Lausanne (EPFL).

The operations of the Ludwig Center for Cancer Research will be funded by annual core support from the Ludwig Institute and from UNIL, complemented by support from philanthropic sources, and via Swiss and EU grant mechanisms. Generous support will be available to partially support the Director’s research activities.

The successful candidate will have a personal research program focused on mechanisms of cancer with a track record of success and an articulated vision for the future, not only for her/his personal research group, but also for the Ludwig Center and its involvement (along with the parent Ludwig Institute) in developing world-class cancer research in Lausanne.

Proficiency in French is not a prerequisite, although a willingness to become so is anticipated.

Further information may be obtained from Prof. Patrick Francioli (patrick.francioli@unil.ch), chair of the search committee. Confidentiality is guaranteed.

Applicants should send their curriculum vitae, a list of publications in which the five most significant ones are identified, a summary of the past, present and future research program, and at least three names of reference by May 15th, 2011 for the attention of Prof. Patrick Francioli, Dean of the Faculty of Biology and Medicine, rue du Bugnon 21, CH-1011 Lausanne, Switzerland.

The University of Lausanne wishes to promote the access of women to academic careers and encourages applications from women.
Van Deuren Endowed Chair for Breast Cancer Research

The Medical College of Wisconsin (MCW) invites nominations and applications for the Van Deuren Endowed Chair for Breast Cancer Research and Leader of the developing Breast Cancer Research Program of the MCW Cancer Center. The position is part of the College’s expansion of basic and clinical cancer research, under the leadership of Cancer Center Director Ming You, MD, PhD, which is complemented by a new, state-of-the-art clinical cancer center. The position may be filled at the rank of Associate or Full Professor (PhD, MD or MD/PhD).

We seek an individual with scientific expertise in basic science, clinical or translational research in breast cancer and with a strong record of NIH funding and publication in high profile cancer journals. The successful candidate should possess dynamic leadership qualities, experience in program development and be a highly motivated interdisciplinary collaborator.

The Medical College of Wisconsin (www.mcw.edu) is the largest private research institution in Wisconsin, conducting over $130 million annually in funded research. It is among the fastest growing medical schools in the United States in terms of NIH funding. The Scientist magazine ranked the Medical College of Wisconsin in the top 5 academic institutions for postdoctoral training and in the top 50 best academic centers at which to be a scientist. In addition to a strong core of biomedical science departments, the College is home to nine federally designated Centers for biomedical research. Excellent shared facilities are available including state-of-the-art instrumentation in structural biology, magnetic resonance imaging in human and animal research, molecular genetics and molecular imaging.

A development package and research space commensurate with the candidate’s interests will be provided. Salary and other considerations will be competitive and consistent with the College’s commitment to recruiting the best-qualified individual.

Applicants should provide curriculum vitae, statement of research interests, and the names and contact information of three references. Please submit application materials electronically (andreabrown@mcw.edu) to: Andrea Brown, MBA, Van Deuren Chair Search, Medical College of Wisconsin, Cancer Center - TBRC, 8701 Watertown Plank Road, Milwaukee, WI 53226.

Associate Director of Basic Sciences

The Medical College of Wisconsin is actively recruiting for an Associate Director for Basic Sciences in its newly developing Cancer Center. The Associate Director should have a PhD and/or MD degree and a distinguished record of achievement in a basic science discipline of cancer research. This position will be responsible for assisting the basic science program leaders in program development, in identifying areas of potential research collaboration, and in facilitating translational research from the basic science laboratories to the clinic. The Associate Director will also assist in the development of and oversee all basic science core facilities in the Center. The successful candidate will be a member of the Executive Committee of the Cancer Center and report directly to the Center Director. The academic appointment will be in a mutually agreed upon department at the Medical College of Wisconsin where teaching, research and service requirements of a departmental appointment are expected.

Rank is open and commensurate with experience. This leader could also potentially qualify for an endowed chair. The successful candidate will bring significant extramural funding portfolio and focus on research funding. In addition to an active research program, this position will include limited administrative activities within the Cancer Center and service to the institution. Salary is competitive and will depend on rank and experience.

Qualified individuals are encouraged to send, via e-mail (andreabrown@mcw.edu), a letter of interest, CV, and contact information for three references to:

Andrea Brown, MBA
AD of Basic Science Search
Medical College of Wisconsin
Cancer Center - TBRC
8701 Watertown Plank Road
Milwaukee, WI 53226

Assistant, Associate and Full Professor Positions in Cancer Cell Biology

The Cancer Center at the Medical College of Wisconsin (MCW) invites applications for tenure-track positions at the Assistant, Associate or Full Professor level. The successful applicant will be expected to develop a program aligned with major ongoing research efforts in Cancer Cell Biology at the MCW Cancer Center. We encourage applications from investigators with expertise in the following areas relevant to cancer:

- Cell Signaling
- Redox Biology
- Mitochondria and Bioenergetics
- Inflammatory Mediators
- Genomic Instability

The candidate is expected to establish a vigorous and extramurally funded research program, and participate in collaborative and interdisciplinary projects. Teaching at the graduate level is also expected. Applicants must have a doctoral degree in a relevant area, a minimum of two years of postdoctoral experience, and a strong record of research accomplishments.

The MCW Cancer Center is an integrated partnership of more than 200 cancer research scientists and physicians at the Medical College of Wisconsin, Froedtert Hospital, Children’s Hospital of Wisconsin, Clement Zablocki VA Medical Center, and the Blood Center of Wisconsin. The Cancer Center occupies 30,000 sq. ft. of newly completed space dedicated for cancer-related basic science research on the MCW campus, and an additional 50,000 sq. ft. of space adjacent to Froedtert Hospital in the MCW medical complex.

Candidates should send by e-mail (andreabrown@mcw.edu) a complete curriculum vitae, bibliography, statement of research interests, and names of at least three references to:

Andrea Brown, MBA
Cancer Cell Biology Search
Medical College of Wisconsin
Cancer Center - TBRC
8701 Watertown Plank Road
Milwaukee, WI 53226

Searle Professorship in Medicinal Chemistry

As part of a campus-wide expansion program in the area of Cancer Drug Discovery, Cancer Experimental Therapeutics, and Chemical Biology, the Department of Medicinal Chemistry at the University of Michigan http://www.umich.edu/~pharmacy/MedChem/ solicits applications for the John G. Searle Professor of Medicinal Chemistry. This endowed Chair is intended to support a scholar with a proven record of accomplishment and outstanding contributions in research in anticancer drug discovery and development, experimental therapeutics, and the chemistry-biology interface. The Department of Medicinal Chemistry has long been recognized as one of the leading programs in the country in the application of modern Chemical Biology approaches aimed at the discovery and development of drug molecules. The successful candidate will be expected to provide leadership to build on this tradition. This program involves faculty and students from not only the Department of Medicinal Chemistry in the College of Pharmacy but also departments in the School of Medicine, the College of Literature, Science, and the Arts, and the Life Sciences Institute. The successful candidate will closely work with faculty at the University of Michigan Comprehensive Cancer Center with emphasis in anticancer drug discovery and experimental therapeutics of cancer. Potential areas of research may include, but are not limited to, synthetic organic chemistry, bioorganic chemistry, mechanistic enzymology, and structural biochemistry, all of which should include a strong synthetic component focused on exciting medicinal targets and rationales with emphasis on anticancer drug discovery. The successful candidate will be expected to have and maintain a vigorous, externally funded research program and to participate in teaching programs both at the graduate and undergraduate level.

Applications, including a curriculum vitae and a list of at least five references must be electronically submitted to medchem@umich.edu. Applications will be reviewed commencing May 1, 2011 and will continue until the position is filled.

The University of Michigan is a non-discriminatory, Affirmative Action Employer and is responsive to the needs of dual career couples.
Graduate School of Biomedical Sciences
The University of Texas MD Anderson Cancer Center and The University of Texas Health Science Center at Houston
Graduate School of Biomedical Sciences

DEAN

The Graduate School of Biomedical Sciences invites nominations and applications for the position of Dean. Our objective is to recruit an outstanding scientist, educator and experienced leader to support the continued growth of the Graduate School as a leading center of graduate education and biomedical research in the 21st century. The successful candidate will be able to articulate a vision (and the steps needed to translate that vision into action) to enhance our Master’s and Doctoral programs in basic and translational research across the full spectrum of the health sciences, building on the successful history of collaboration with institutions and education programs throughout the Texas Medical Center.

Originally part of the academic arm of MD Anderson Cancer Center in the 1940s, the Graduate School of Biomedical Sciences (GSBS) was formally established by the Texas Legislature in 1963, and has become the premier academic bridge between the University of Texas components located in the world-renowned Texas Medical Center in Houston, Texas. Its faculty of more than 600 is drawn from The University of Texas MD Anderson Cancer Center and from schools that make up The University of Texas Health Science Center at Houston (including the Medical School, School of Public Health, School of Dentistry, and School of Biomedical Informatics). Total combined research expenditures of the GSBS faculty for the most recently completed academic year was more than $350 million. The current student enrollment is 585. The most recent Assessment of Research-Doctorate Programs by the National Research Council rated several GSBS programs in the top ten percent nationally.

The Dean reports to the Presidents of MD Anderson Cancer Center (MD Anderson) and the University of Texas Health Science Center at Houston (UTHealth) and confers with officials of those institutions, as well as UT System officers and the Texas Higher Education Coordinating Board, on academic and financial matters relating to current or future affairs of the administration of the Graduate School. As the chief academic and administrative officer for GSBS, the Dean serves as the major advocate and spokesperson for the Graduate School, its faculty and students. S/he has responsibility for the overall leadership of GSBS and for overseeing graduate academic programs in consultation with the Graduate Faculty, its Executive Committee and standing committees, as well as the executive leadership of both MD Anderson and UTHealth. The Dean is responsible for administering the rules and policies of the Graduate School as well as the overall coordination and effectiveness of GSBS programs; providing outstanding leadership that embraces emerging directions in biomedical graduate education; exhibiting intellectual leadership; and building, shaping and leading initiatives in support of the strategic visions developed by MD Anderson and UTHealth. S/he must also be capable of maximizing the opportunities presented by the coexistence of two major research enterprises within a single Graduate School and work to facilitate increasing institutional collaboration.

The Dean approves new and renewing appointments to the GSBS faculty and participates as a member of the GSBS Executive Committee. The Dean oversees a staff of 22, including an Associate Dean, Assistant Dean for Admissions, Associate Dean for Academic Affairs, and an Assistant Dean for Student Affairs & Outreach, all of whom report directly to the Dean. S/he will administer the affairs of the Graduate School through subordinates and through direct participation in the functions and activities of GSBS.

The Dean will be an active member of the Graduate Faculty and an innovative scientist with outstanding leadership, management, and interpersonal skills; have a record of excellence in teaching and securing extramural funding; and demonstrate a significant record of department, college and university service. S/he must have prior experience in a senior leadership position in an academic environment and qualify for an appointment at the level of Professor; the Dean will also be appointed to the John P. McGovern Distinguished Professorship of Biomedical Sciences.

Applicants should forward (1) a letter of interest, which explains in detail the candidate’s administrative philosophy and vision; (2) a curriculum vitae; and (3) the names and contact information of five references to: Search Committee, Dean of the Graduate School of Biomedical Sciences, c/o Rosanne L. Evans, Search Coordinator, Office of the Provost and Executive Vice President, MD Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, Texas 77030; E-mail: rlemon@mdanderson.org. Review of applicants will begin on February 25, 2011 and will continue until the position is filled.

*Ad: accepted until May 9 if space is still available.*
FOCUS ON CANCER RESEARCH

THE BREAKTHROUGH TOBY ROBINS BREAST CANCER RESEARCH CENTRE
AT THE INSTITUTE OF CANCER RESEARCH, CHELSEA, LONDON

The Breakthrough Breast Cancer Research Centre is the first centre in the UK entirely devoted to breast cancer research. The Centre’s goal is to advance research into the causes, diagnosis and treatment of breast cancer. We are located in new laboratory space with excellent core facilities and funding.

Director of the Breakthrough Toby Robins Breast Cancer Research Centre

The Director will provide leadership and direction of the Breakthrough Toby Robins Breast Cancer Research Centre towards Breakthrough’s vision of ‘a future free from the fear of breast cancer’. In addition the Director will pursue an independent research programme in Breast Cancer Research which complements the Centre’s existing strengths. He/she will build a thriving research team to deliver the research objectives. The successful candidate will have ambitious aspirations and a bold vision for improving the diagnosis, treatment and prevention of breast cancer, be an outstanding scientist with major achievements in biomedical research and a strong commitment to breast cancer research. He/she must be a strategic and visionary thinker, able to identify and implement powerful and coherent research programmes with clinical potential and be able to lead, inspire and recruit high calibre staff. In addition the successful candidate will have excellent interpersonal skills to manage a wide network of relationships.

Informal enquiries should be addressed to Professor Chris Marshall, Director of Research chris.marshall@icr.ac.uk [Tel:+44-(0)207-153-5197]. Further information about Breakthrough Breast Cancer can be obtained directly from Dr Norman Freshney, Director of Research Management, Breakthrough Breast Cancer, Weston House, 246 High Holborn, London WC1V 7EX [Tel:+44-(0)207-025-2450].

Formal applications should be sent to Professor Chris Marshall The Institute of Cancer Research, 237 Fulham Rd, London SW3 6JB. Applications should include:

- Full CV
- Lists of major publications, achievements, major research grants, distinctions.
- Brief account of research interests.
- Statement of research goals.
- Names and addresses of three referees, with an indication of any sensitivities about the timing of their involvement.

For further details of how to apply, as well as a job description and personal specification, please visit our website at www.icr.ac.uk/jobs. Alternatively you may call our 24 hour recruitment line on +44-(0)207-153-5475.

Closing date: 28th April 2011

FOCUS ON CANCER RESEARCH

Postdoctoral Fellow

Position in Structural Biology & Cancer Drug Discovery

The University of Texas MD Anderson Cancer Center and University of Oxford

The Center for Targeted Therapy at The University of Texas MD Anderson Cancer Center, in collaboration with the Structural Genomics Consortium at the University of Oxford, seeks a postdoctoral fellow with experience in protein biochemistry and computational biology for a two-year appointment.

Year one of the fellowship investigates the crystal structure of novel, cancer-relevant target proteins in the laboratory of Dr. Stefan Knapp at the Structural Genomics Consortium in Oxford, England. Year two develops novel inhibitors of the same target proteins with Dr. John Ladbury, in collaboration with structural modeling and synthetic chemistry groups, at MD Anderson in Houston, Texas. A supplemental living allowance is offered while at Oxford.

Candidates must have a Ph.D., M.D./Ph.D. or equivalent with up to two years post-graduate work. Experience in protein biochemistry and computational biology is required.

Interested applicants should forward a curriculum vitae, research statement and three letters of references by email to nseramirez@mdanderson.org with “Structural Biology Postdoc” in the subject line.

MD 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 distinction is required by law. All positions at The University of Texas MD Anderson Cancer Center are security sensitive and subject to examination of criminal history record information. Smoke-free and drug-free environment.

POSITIONS OPEN

Senior Faculty Position

Department of Microbiology and Physiological Systems

Worcester, MA

The Department of Microbiology and Physiological Systems invites applications for a senior faculty position. The candidate should have a track record of internationally recognized research that addresses important questions broadly relevant to infectious disease and encompasses multiple levels of biological organization. Technologies and approaches of particular interest include, but are not limited to, advanced imaging from single molecules to the whole animal, mechanistic mathematical modeling closely informed by experiment, and integrative functional analysis of genome-scale information.

The Department of Microbiology and Physiological Systems has strong expertise in bacterial and viral pathogenesis, immunology, and fundamental cellular physiology. The University of Massachusetts Medical School (http://www.umassmed.edu/) is a vibrant, rapidly growing and highly interactive scientific community. Superb resources, a highly competitive start-up package, and generous newly renovated space will be provided to the successful candidate. The Department of Microbiology and Physiological Systems has close ties to clinical departments and a joint clinical appointment is possible for individuals with clinical training.

Applicants should submit a cover letter, curriculum vitae, statement of research interests and contact information for three references to http://www.academicjobsonline.org. Inquiries, but not application materials, may be directed to MaPS.faculty.search@umassmed.edu.

As an equal opportunity and affirmative action employer, UMMS recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives and backgrounds.
NIMH Intramural Sequencing Center, National Human Genome Research Institute

The National Human Genome Research Institute (NHGRI), a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), seeks to identify an outstanding Director to lead the NIH Intramural Sequencing Center (NISC), located in Rockville, Maryland. The NISC Director leads a multi-disciplinary genomics facility that emphasizes the generation and analysis of DNA sequence. NISC brings together diverse and unique scientific expertise to perform state-of-the-art genome sequencing and sequence analysis for basic and translational research projects. The NISC Director has the responsibility for an annual budget exceeding $7 million and a staff of ~40. In addition to providing scientific and administrative leadership of this premier research enterprise, the Director is expected to be an internationally recognized, highly collaborative, and accomplished genomics researcher.

Applicants must possess a doctoral-level scientific degree. The applicant must have extensive experience in genomics research, computational biology, and large-scale DNA sequencing; this should include a productive track record of high profile publications. S/he must have proven experience in directing and managing a scientific research program, with well-honed administrative and interpersonal skills to meet the demands of both research and program direction.

Salary is competitive and will be commensurate with candidate’s experience. A full Federal benefit package is available, including retirement, health and life insurance, long-term care insurance, annual and sick leave, and the thrift savings plan (401K equivalent). Appropriate support for this program will be provided and exceptional candidates may be eligible for tenure.

Interested applicants should submit a cover letter that includes a brief description of research and administrative experience, a current curriculum vitae and bibliography, names and contact information of three references, and a brief written vision for leading NISC. Questions about the position and applications themselves should be sent to Ms. Ellen Rolfs via email at ellenr(exchange.nih.gov).

Applications must be submitted by May 15, 2011.

DHHS and NIH are Equal Opportunity Employers and encourage applications from women and minorities.

NATIONAL HUMAN GENOME RESEARCH INSTITUTE
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES | NATIONAL INSTITUTES OF HEALTH | genome.gov

The National Institute of Mental Health, a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is seeking exceptional candidates for the position of Associate Director for Clinical Research (ADCR), Office of the Director. The ADCR serves as the administrative and scientific leader on clinical research issues across the Institute, especially pertaining to the areas of human subject research protections, conflict of interest. As part of this purview, the ADCR ensures NIMH human subject research complies with Federal and NIH policies. Working with the NIMH Data Safety Monitoring Board and other NIMH offices, the ADCR also ensures that conflicts of interest are managed appropriately, clinical recruitment milestones are met, and adverse events related to NIMH-sponsored multi-site clinical trials are monitored/acted upon appropriately. The ADCR provides expert advice and guides Institute initiatives for clinical trials, including the scope, design, and standards for data sharing as well as the development of public-private partnerships in support of clinical research. The ADCR Director reports to the Director, NIMH. Working closely with the Director and other senior leadership at NIMH, the ADCR assists in the scientific and administrative management of an organization with a budget of ~$1.4 billion and a staff of approximately 1,300. (http://www.nimh.nih.gov)

Applicants must have a M.D., and be board certified in a medical specialty relevant to mental disorders, with research experience in one or more of the Institute’s research areas. In addition, extensive experience in designing, conducting, and publishing clinical research, including treatment trials, is highly desirable to ensure appropriate evaluation of clinical research proposals. Applicants should be known and respected within their profession as distinguished individuals of outstanding capability. Salary is commensurate with experience and accomplishments. Experience with NIH administrative policies, procedures, and operations is highly desirable but not essential.

Interested candidates should send a letter of interest, including a brief description of research and administrative experience, a curriculum vitae and bibliography, and the names of at least three references to: Chair, NIMH ADCR Search Committee at NIMHsearch@mail.nih.gov or at 6001 Executive Blvd, Room 8235, MSC 9669 Bethesda, MD 20892-9669 (for express or courier delivery use Rockville, MD 20852).

Review of applications will begin on April 18, 2011, but applications will continue to be accepted and considered until the position is filled. For questions contact Dr. Thomas Insel, Director, NIMH at tinsel@mail.nih.gov. The NIH encourages the application and nomination of qualified women, minorities, and individuals with disabilities. HHS and NIH are Equal Opportunity Employers.
Faculty Position in Civil and Environmental Engineering
at Ecole Polytechnique Fédérale de Lausanne (EPFL)

EPFL’s School ENAC (Architecture, Civil and Environmental Engineering) seeks a Tenure-Track Assistant Professor in Air Quality Engineering and Atmospheric Chemistry.

Topics of interest include: Gas-phase atmospheric chemistry and gas-particle interactions; chemical characterization of indoor and outdoor air pollutants; aerosol generation and chemical and physical characterization; instrument development and sampling techniques; health risk assessment; oxidative processes in the atmosphere; aerosol-mediated chemical processes; trace gas removal in the atmosphere; tropospheric ozone production; atmospheric chemistry of climate change gases; ice-atmosphere interactions; transport of semivolatile pollutants. Candidates with interests in heterogeneous atmospheric chemistry are especially encouraged to apply.

Successful candidates are expected to initiate independent research programs and be committed to excellence in undergraduate and graduate teaching. Substantial start-up resources will be available. We offer internationally competitive salaries and benefits.

Applications should include a résumé with a list of publications, a concise statement of research and teaching interests, and the names and addresses (including e-mail) of at least four referees. Applications should be submitted electronically to http://enac.epfl.ch/page-2114.html by 1st May 2011 when formal screening of applications will begin.

Informal enquiries may be made to: Professor Andrea Rinaldo andrea.rinaldo@epfl.ch


EPFL is an equal opportunity employer. Women candidates are particularly encouraged to apply.

The University of Massachusetts

Junior Faculty Position
Department of Microbiology and Physiological Systems
Worcester, MA

The Department of Microbiology and Physiological Systems invites applications for a junior-level tenure-track faculty position. Candidates should have an outstanding record of achievement in research that addresses important questions broadly relevant to infectious disease and encompasses multiple levels of biological organization. Technologies and approaches of particular interest include, but are not limited to, advanced imaging from single molecules to the whole animal, mechanistic mathematical modeling closely informed by experiment, and integrative functional analysis of genome-scale information.

The Department of Microbiology and Physiological Systems is a newly formed department with strong expertise in bacterial and viral pathogenesis, immunology, and fundamental cellular physiology. The University of Massachusetts Medical School (http://www.umassmed.edu/) is a vibrant, rapidly growing and highly interactive scientific community.

Applicants should submit a cover letter, curriculum vitae, statement of research interests and contact information for three references to http://www.academicjobsonline.org. Inquiries, but not applications, may be directed to MaPS.faculty-search@umassmed.edu.

As an equal opportunity and affirmative action employer, UMMS recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives and backgrounds.

The Faculty of Chemistry and Earth Sciences of the Ruprecht-Karls-University Heidelberg invites applications for a

W3-Professorship of Physical Chemistry
(Succession of T. Bürgi)

The position is to be filled as from the beginning of the winter semester 2011/2012.

Candidates are expected to take over teaching and administrative responsibilities in the whole field of Physical Chemistry at both undergraduate and graduate levels and should therefore have the appropriate background and experience.

Candidates for the position are expected to have an internationally established record of accomplishments in current research in surface chemistry and surface physics with a focus on development and application of modern spectroscopic methods. Well equipped laser laboratories for investigations of photo-induced processes at surfaces will be at her / his disposal. A participation in the projected Center of Advanced Materials (CAM) is appreciated. She / he should hold a Habilitation degree or have research credentials at an equivalent level, possibly with relevant industrial experience.

The University of Heidelberg seeks to increase the number of female research and teaching staff and therefore especially encourages qualified women to apply. According to German law, disabled applicants with an equivalent high qualification will be given preference.

Applicants are asked to submit a detailed curriculum vitae, the list of publications, an account of the teaching experience, the relevant documentation of academic degrees as well as a concise summary of current and proposed research activities, along with their five most relevant publications prior to the 30.04.2011 to: Dean of the Faculty of Chemistry and Earth Sciences, Prof. Dr. S. Hashmi, Im Neuenheimer Feld 254, D-69120 Heidelberg, Germany
Our World-Class Research Institute Is Looking for Scientific Leaders

Since its inception, The Methodist Hospital Research Institute has challenged the notion of “by-the-book” medical research. Led by Mauro Ferrari, Ph.D., President and CEO, the Research Institute is a 440,000-square-foot research enterprise for The Methodist Hospital System in Houston, TX, and is affiliated with the Weill Cornell Medical College in New York City. Methodist is transforming medicine with emerging techniques, and a staff that is developing real treatments and cures every day. Our laboratories are equipped with advanced technology and facilities that include a cyclotron, pre-clinical and clinical imaging, flow cytometry and microscopy, small and large animal vivariums; and a GMP facility for nanoparticles, contrast agents, vaccines, and therapeutic molecules. Our facility is a vertically integrated state-of-the-art laboratory for translational and clinical research where translational researchers and physician scientists bring ideas to clinical applications.

We are now searching for research professionals to serve in a variety of capacities.

Program leaders in the fields of:
- Neurodegenerative Diseases and Repair of the Nervous System (Methodist Neurological Institute)
- Cardiovascular Science (Methodist DeBakey Heart & Vascular Center)
- Cancer Biology (Methodist Cancer Center)

Senior scientists in the fields of:
- Diabetes and Metabolic Disorders (Methodist Center for Diabetes, Obesity and Lipids)
- Transplant Immunology (Methodist Transplant Center)

Candidates should be nationally and internationally recognized leaders with an outstanding track record of scientific discovery, funded research, programmatic leadership and academic mentorship. We will provide you with a position in the epicenter of medical research. You’ll discover an excellent research environment, state-of-the-art equipment, and the chance to follow your research from discovery to clinical application in a single facility.

Applicants should submit a Statement of Scientific Interest, a Curriculum Vitae, and the names of three references to: Tong Sun, Director of Central Research Administration, The Methodist Hospital Research Institute, 6670 Bertner St., M.S. R2-216, Houston, TX 77030, or email facultyapplications@tmhs.org (please specify applying field in the subject line of email). Our success as an organization is due to the diversity of our team. We are an equal opportunity employer.

UCLA announces a Chancellor’s Initiative in Computational Biosciences with an emphasis in bioinformatics/genomics/computational biology. Building on outstanding faculty in these areas across the College of Letters and Sciences, David Geffen School of Medicine (DGSOM), Henry Samueli School of Engineering and Applied Mathematics (HSSEAS), and School of Public Health (SPH), UCLA will establish a Computational Biosciences Institute that will include: faculty with departmental appointments across campus who are affiliated with the recently established Interdepartmental PhD Program in Bioinformatics; a new bioinformatics center that provides the analysis of high throughput data for groups across campus; and computational infrastructure. Over the next few years, we anticipate up to 12 new appointments from across campus associated with the Computational Biosciences Institute.

This year we are conducting a search for a junior or senior level appointment in the area of bioinformatics and computational biology. We seek nominations and applications from individuals who have expertise in areas related to bioinformatics, genomics, and computational biology and would bring intellectual leadership and synergy to this new UCLA Institute. The candidate’s research program should in part develop novel computational, quantitative, or bioinformatics methodology to address fundamental issues in biology or biomedical science.

Letters of nomination and questions about the position should be sent to Dr. Matteo Pellegrini at matteop@mcdb.ucla.edu. Materials should be submitted online as a single pdf through www.mcdb.ucla.edu/compbiosci. Please include a cover letter with a statement of research and vision, names of referees, and CV. Please use job number 0865-1112-01 in all correspondence. Applications will be reviewed upon receipt until position is filled. Candidates who wish to receive full consideration should submit all materials by March 25, 2011.

UCLA is California’s largest university, with an enrollment of nearly 38,000 undergraduate and graduate students. The UCLA College of Letters and Science and the university’s 11 professional schools feature renowned faculty and 323 degree programs and majors. The Biosciences at UCLA include more than 300 faculty members, many top ten ranked departments, and is consistently in the top ten in NIH funding.

As a campus with a diverse student body, we encourage applications from women, minorities, and individuals with a history of mentoring under-represented minorities in the sciences. UCLA is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of faculty and staff diversity.

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**Islet Society Meeting**

**17-18 July, 2011**

**Nordic Sea Hotel, Stockholm**

For details, please see www.isletssociety.org

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**Chair**

**Department of Molecular Microbiology and Immunology**

**The Warren Alpert Medical School**

**Brown University**

The Warren Alpert Medical School and the Division of Biology and Medicine of Brown University invite applications for the position of Professor and Chair of the Department of Molecular Microbiology and Immunology. This position is to lead an interdisciplinary group of faculty and build a research program in host-pathogen interactions and pathogenesis of disease. The Department contributes to the teaching of undergraduate, graduate, and medical students.

Brown University is expanding opportunities for research and educational activities that bridge basic scientists and clinical translational researchers at its affiliated hospitals. The next Chair will provide leadership in expanding the research activities of the department and in recruiting and mentoring new faculty. Excellent core research facilities, interdisciplinary graduate programs with external funding, and additional research space are available to foster expansion of the Department.

The new Chair should have a record of scholarship and externally-funded research that is recognized internationally, and demonstrated leadership and administrative skills. Applicants should submit their application electronically in a single pdf to: MM1_Chair_search@brown.edu. Postal communications should be sent to: Chair, MMI Chair Search Committee, Brown University, Division of Biology and Medicine, Box G-A1, Providence, Rhode Island 02912.

Applicants should include a letter describing their vision as the new Chair and future career plans, a curriculum vitae, and five names of potential external referees with contact information. Review of applications will begin immediately and will continue until the position is filled. A complete description of the Department and faculty can be found at the Department’s website:

http://bms.brown.edu/mm1/

Brown University is an EEO/AA Employer and invites applications from women, minorities, and protected persons.

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The Gene Center of the Ludwig-Maximilians-Universität München (LMU) invites applications for the position of an

**Independent Group Leader in Advanced Biological Mass Spectrometry**

Candidates must have an outstanding record of internationally recognized research accomplishments in advanced biological mass spectrometry, ideally including technologies for the structural characterization of transient multicomponent complexes. The research group is expected to contribute to the establishment of molecular systems biology at the LMU, and to participate in extramural funding networks such as SFBs and programs of the excellence initiative.

Candidates are expected to conduct independent research that complements existing research at the Gene Center, to obtain additional extramural funding, and are welcome to participate in teaching (in English or German). Primary selection criteria are research excellence and the potential for scientific interactions. The Gene Center offers a stimulating and interdisciplinary environment, and is committed to expand the research focus towards molecular systems biology. Information can be found at www.genzentrum.lmu.de.

The position is initially for five years but may be extended by 2-3 years if funding permits. The LMU seeks to increase the number of women researchers and especially invites qualified women to apply. The LMU offers a Dual Career Service. Handicapped candidates with equal qualifications will be given preference.

Applicants should submit a single pdf-file with their motivation letter, CV, list of publications, and research proposal before May 30, 2011 to recruiting@genzentrum.lmu.de. Informal enquiries may be sent to Patrick Cramer (cramer@lmb.uni-muenchen.de).
Boehringer Ingelheim ranks among the world’s 15 leading pharmaceutical corporations. Our vision drives us forward. It helps us to foster value through innovation in our company and to look to the future with constantly renewed commitment and ambition.

Our family’s science, your family’s health.

For 125 years Boehringer Ingelheim has been committed to the research and development of innovative medicines that help improve the lives of patients and their families.

Research & Development has been the foundation of Boehringer Ingelheim’s success and continues to be the major driver of innovative, new medicines for the treatment of diseases with an unmet therapeutic need. We have more than 6,900 highly qualified people working in research & development out of approximately 41,500 Boehringer Ingelheim employees worldwide. Our drug discovery focuses on six major therapeutic areas: respiratory diseases, cardiometabolic diseases, oncology, neurological diseases, immunology & infectious diseases. Biotherapeutics research is a rapidly growing area at Boehringer Ingelheim. The Biotherapeutics department in Ridgefield, CT works with resources in all major therapeutic areas to bring novel biotherapeutic agents to the clinical pipeline. We are looking for enthusiastic and talented individuals to join a highly effective team.

Learn more about us at us.boehringer-ingelheim.com

BIOTHERAPEUTICS OPENINGS:

- RD0211: Scientist II, Immunogen Design/Expression
- RD0221: Senior Scientist, Mouse Immunization/Adjuvants
- RD0231: Senior Principal Scientist, Lead Generation (B-cell Biology)
- RD0241: Scientist III, B-cell Biology/Hybridoma
- RD0251: Principal Scientist, Binding Assay Development
- RD0261: Scientist III, Binding Assay Development
- RD0271: Senior Scientist, Bi-specific and Fc Engineering
- RD0281: Scientist III, Bi-specific and Fc Engineering
- RD0291: Scientist II, Lead Expression
- RD0301: Principal Scientist, Downstream Process Assessment (Protein Purification)
- RD0451: Senior Research Fellow, Lead Generation
- RD0471: Scientist II, Lead Generation
- RD1161: Principal Scientist, Bi-specific Antibody Engineering
Call for Large-Scale Sequencing Projects

The U.S. Department of Energy JGI (DOE JGI) is now accepting letters of intent for complex large-scale genome sequence-based projects to advance the frontiers of DOE-mission science relevant to bioenergy and the environment.

The specific emphasis of this call is targeted toward:

- **Plant and Plant-Microbe interactions:** Plant phenotypes are likely to be strongly influenced by their associated microbes. Studies are encouraged that explore the interaction of plants with their rhizosphere communities and other microbes or fungi that affect bioenergy-relevant plant phenotypes.

- **Microbial emission and capture of greenhouse gases:** Bacteria, archaea, fungi, and algae are important consumers and producers of greenhouse gases in the environment. Studies are sought that will provide insight into global carbon, nitrogen, and methane cycles, and/or suggest novel strategies for carbon capture, nitrogen processing, or methane reduction from environmental sources.

Letters of intent will only be accepted electronically and should be submitted at by April 26, 2011. Applicants will be advised whether to prepare a full proposal within two weeks, and full proposals will be due on June 15, 2011.

For more information about the Community Sequence Program, the types of proposals being accepted, and to submit a letter of intent, go to: [https://go.usa.gov/4Lt](https://go.usa.gov/4Lt)

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**Faculty Positions in Pharmacology and Toxicology**

University of Kansas Medical Center (KUMC)

The Department of Pharmacology, Toxicology, and Therapeutics, under the direction of Curtis Klaassen, Professor and Chair ([http://www.kumc.edu/pharmacology/](http://www.kumc.edu/pharmacology/)), is continuing its expansion by inviting applications for two Assistant Professor, tenure-track faculty positions to augment the strength of our seventeen recent hires. Preference will be given to candidates who have done research in areas, such as nuclear receptors, hepatotoxicity, xenobiotic disposition (ADME), the metabolic syndrome, nutrition, pharmacogenomics, and epigenetics that complement existing strengths in the department and the medical center. This expansion is supported by a Centers of Biomedical Research Excellence (COBRE) grant entitled “Nuclear Receptors in Liver Function and Dysfunction,” a training grant in Environmental Sciences, and a new Liver Center. The COBRE provides an extensive program of mentoring junior faculty by experienced established senior faculty. A competitive startup package and appropriate space will be offered in a new 200,000 sq. ft. research building. Standard support facilities are present, including biotechnology, second-generation sequencing, transgenics, proteomics, and a state-of-the-art brain imaging center. The department also has excellent LC-MS/MS and histopathology facilities. Applications will be reviewed first on May 9th, and until the positions are filled. Applicants must be proficient in the use of the English language. Anticipated appointment date is between July 1 and December 31, 2011.

Applicants should provide a C.V., statement of research interests, and names of three references. To review the position description and apply on-line, go to [http://jobs.kumc.edu](http://jobs.kumc.edu) and search for position J0083463.

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**Neuropharmacology Tenure-Track Position**

Department of Pharmacology

College of Medicine

University of Saskatchewan

Saskatoon, SK S7N 5E5 CANADA

Applications are invited for a tenure-track Assistant Professor position to begin September 1, 2011. Preference will be given to candidates with an MD degree and/or a PhD degree in Pharmacology, expertise in Neuropharmacology with postdoctoral training. The position is open to candidates trained in all areas of Neuroscience, but those with expertise in synaptic plasticity, electrophysiology, structure-function of brain circuits, or neuronal stem cells and neuro-regeneration are especially encouraged to apply. The successful candidate will be given state-of-the-art research facilities, will develop an externally funded research program, and will contribute to the Department’s teaching responsibilities.

Prior to May 31, 2011, applicants should submit, by e-mail, a Curriculum Vitae, a brief statement of research interests, reprints of recent publications, and the names and addresses of three referees to: Chair, Search Committee, e/o Cindy S. Wruck, cindy.s.wruck@usask.ca.

All qualified candidates are encouraged to apply. However, citizens and permanent residents of Canada will be given priority. The University of Saskatchewan is committed to employment equity. Members of designated groups (women, aboriginal people, people with disabilities, and visible minorities) are encouraged to self-identify on their applications.
Make an impact on the Development of Molecularly Guided Cancer Therapy - come work at the National Cancer Institute!

Chief, Diagnostic Biomarkers and Technology Branch

The Cancer Diagnosis Program (CDP), Division of Cancer Treatment and Diagnosis (DCTD), NCI is seeking an experienced scientist for the position of Chief, Diagnostic Biomarkers and Technology Branch, Health Science Administrator GS-601-15. A PhD or equivalent in a recognized discipline of the health sciences or allied sciences (e.g., chemistry, biochemistry, immunology, genetics, biology, microbiology, molecular biology) is required, as is considerable experience and in-depth knowledge of new technologies and their direct application to the development of diagnostics. Skill in managing multiple projects simultaneously, providing technical direction to ad hoc team members, and clearly articulating issues to professional staff is highly desirable.

The CDP fosters the development and validation of molecular diagnostics that inform the treatment of malignant diseases. The Branch Chief reports to the Associate Director, CDP, and supervises program directors in the Branch. The Chief provides leadership in conceptualizing, planning, implementing, managing, and evaluating research programs designed to lead to creation of molecular diagnostics that will improve the treatment and survival of cancer patients. Responsibilities include independent management of complex, multidisciplinary contracts, grants, and cooperative agreements for several programs of national and international scope and impact involving the development of new technologies for cancer diagnosis research. Interaction with other DCTD programs, other government agencies, public health institutions, academia, and private industry as well as travel will be required.

Base salary for this position ranges from $123,758 to $155,500 per annum. Benefits include health and life insurance options, retirement, paid holidays and vacation leave.

This is an exploratory ad to gauge interest and the candidate pool. If you provide us with your email address we will inform you when a Vacancy Announcement (VA) to fill the position is issued. Please note that copies of school transcripts are required when applying to the VA.

Please submit your C.V., a statement of interest and contact information to Administrative Officer, Kat Bern, at bernk@mail.nih.gov. For more information about the position, please contact Barbara A. Conley, M.D. at conleyba@mail.nih.gov or (301) 496-8639. CDP website: http://www.cancerdiagnosis.nci.nih.gov.

DHHS, NIH and NCI are Equal Opportunity Employers.
CHAIR
Department of Physiology

The University of Texas Health Science Center at San Antonio (UTHSCSA) invites applications and nominations for the position of Chair of the Department of Physiology. We seek candidates with an outstanding record of scientific achievement, grant support, and mentoring, and must be qualified to attain the rank of professor with tenure. Dynamic leadership, communication, interpersonal skills, and keen vision are required. The Department currently consists of twenty-one full-time faculty with clusters of strength in neuroscience, ion channels, aging, and model systems (http://www.physiology.uthscsa.edu). The search, however, is not limited to these research foci, and candidates with scientific interests in any area relevant to physiology (e.g. cardiovascular, muscle, renal) are encouraged to apply.

The Department of Physiology is one of seven Basic Science Departments that comprise the Graduate School of Biomedical Sciences (GSBS), and the GSBS is one of five component schools of the UTHSCSA. The recent hiring of two new Deans (Medical School and Graduate School), a Health Science Center administration that will focus resources to grow our research mission, and the construction of a new, cutting-edge 200,000 ft² research building (South Texas Research Facility – STRF) makes this a wonderful opportunity for a visionary leader. UTHSCSA is a Tier One research institution located in the Northwest region of San Antonio and sits as a gateway to the picturesque Texas Hill Country. San Antonio is a vibrant, dynamic, and multicultural city with much to offer including an attractive cost-of-living.

Applications should include a Curriculum Vitae, a brief statement of research interests and academic vision, and a list of four references. The deadline for submission of completed applications is September 1, 2011. Send materials electronically to PhysChairSearch@uthscsa.edu or by mail to: Charles P. France, Ph.D., Chair, Search Committee for Physiology Chair, Graduate Dean’s Office, MC 7819, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900.

All faculty appointments are designated as security sensitive positions. The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.
Faculty Position in Bioengineering at Washington State University

The Gene and Linda Voiland School of Chemical Engineering and Bioengineering invites applications for a tenure-track faculty position at the Assistant/Associate/Full Professor level. The successful applicant will be based at the Pullman campus. The primary area of research interest is energy, including but not limited to catalysis, reaction engineering, and advanced materials for renewable and sustainable energy. Candidates must hold a Ph.D. in Chemical Engineering or closely related discipline at the time of appointment. We desire candidates who will excel in teaching and be able to attract externally sponsored research funding, a proven record of collaboration, and demonstrated ability to teach undergraduate and graduate courses.

The Voiland School currently has 250 undergraduate students, 41 PhD students, and 14 faculty. Our year-to-date award totals at $3.7 million for externally funded research. This research is funded by industry, NSF, DTRA, DOE, NIH, and ONR. To date this year, the faculty have created two new companies from technologies developed in the Voiland School. During the next year, we plan to add three additional faculty, including the individual who will be hired into this position. Successful candidates will be based at the Pullman campus. The successful candidate may hold a partial appointment in the Agricultural Research Center, WSU’s agricultural experiment station.

Interested candidates should submit a letter of application, curriculum vitae, names and contact information of four references, a statement of research plans and a statement of teaching philosophy online at: www.wsujobs.com/applicants/Central?quickFind=55985. The letter should be addressed to Dr. Wen-Ji Dong, Chair Search Committee, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, Pullman 99164-2710.

Screening of application materials will begin immediately and will continue until the position is filled. Preferred starting date of this new position is August 16, 2011.

Washington State University is an Equal Opportunity/Affirmative Action Educator and Employer. Members of ethnic minorities, women, special disabled veterans, veterans of the Vietnam-era, recently separated veterans, and other protected veterans, persons of disability and/or persons age 40 and over are encouraged to apply. WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, and a NSF ADVANCE Institutional Transformation grant (http://www.excellinse.wsu.edu/). WSU employs only U.S. citizens and lawfully authorized non-U.S. citizens. All new employees must show employment eligibility verification as required by the U.S. Citizenship and Immigration Services.

Assistant Professor of Chemical Engineering at Washington State University

The Gene and Linda Voiland School of Chemical Engineering and Bioengineering invites applications for a tenure-track position as Assistant Professor of Chemical Engineering. The successful applicant will be based at the Pullman campus. Our year-to-date award totals at $3.7 million for externally funded research. This research is funded by industry, NSF, DTRA, DOE, NIH, and ONR. To date this year, the faculty have created two new companies from technologies developed in the Voiland School. During the next year, we plan to add three additional faculty, including the individual who will be hired into this position. The successful candidate may hold a partial appointment in the Agricultural Research Center, WSU’s agricultural experiment station. Washington State University’s Pullman campus is close to the US DOE’s Pacific Northwest National Laboratory (PNNL), and faculty members at the Pullman campus have excellent opportunities for research collaborations with staff at PNNL including the Institute for Interfacial Catalysis (IIC), as well as access to the state-of-the-art analytical equipment located at the PNNL user facility, the Environmental Molecular Sciences Laboratory (EMSL).

Responsibilities for this position include: conducting funded innovative research in renewable and sustainable energy leading to internationally regarded publications, developing and leading a nationally recognized research group focusing in that area, collaborating with others within the School, the University, PNNL, and/or other organizations, and successfully developing and teaching graduate and undergraduate core and elective courses.

Submit a letter of application, curriculum vitae, names and contact information of four references, a statement of research plans and a statement of teaching philosophy online at www.wsujobs.com/applicants/Central?quickFind=55985. The letter should be addressed to Dr. Yong Wang, Chair Search Committee, Gene and Linda Voiland School of Chemical Engineering and Bioengineering, Washington State University, Pullman, WA 99164-2710.

WSU is committed to excellence through diversity, has faculty friendly policies including a partner accommodation program, and a NSF ADVANCE Institutional Transformation grant to increase the advancement of women faculty in science, engineering and math (see http://www.excellinse.wsu.edu/). WSU is an EEO/AA/ADA Educator and Employer.
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.

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**Metabolism & Disease**

**June 1 – 6, 2011**

Organizers
Terri Grodzicker, David Stewart & Bruce Stillman
Cold Spring Harbor Laboratory

Poster abstracts due March 31, 2011

Speakers

Angela Amon, Massachusetts Institute of Technology
Johan Auwerx, Ecole Polytechnique Federale de Lausanne, Switzerland
Joseph Bass, Northwestern University Medical School
Shelley Berger, University of Pennsylvania
David Botstein, Princeton University
Michael Brown, UT Southwestern Medical School
Joan Brugge, Harvard Medical School
Chi Dang, Johns Hopkins University School of Medicine
Ronald Evans, HHMI/Salk Institute for Biological Studies
Jeffrey Friedman, The Rockefeller University
Joseph Goldstein, UT Southwestern Medical School
Eyal Gottlieb, Beatson Institute for Cancer Research, UK
Kun-Liang Guan, University of California, San Diego
Leonard Guarente, Massachusetts Institute of Technology
Grahame Hardie, University of Dundee, UK
Takashi Kadowaki, Tokyo University Medical School, Japan
William Kaelin, HHMI/Dana-Farber Cancer Institute
Barbara Kahn, Beth Israel Hospital
C. Ronald Kahn, Joslin Diabetes Center
Michael Kuro, University of California, San Diego
Gerald Karsenty, Columbia University
Shigeaki Kato, University of Tokyo, Japan
Daniel Kelly, Sanford-Burnham Med. Res. Inst. at Lake Nona
Cynthia Kenyon, University of California, San Francisco
Norry Kim, Seoul National University, Korea
Mitchell Lazar, University of Pennsylvania
Richard Lesick, Harvard University
Tak Mak, Ontario Cancer Institute, Canada
Susanne Mandrup, University of Southern Denmark
David Mangelsdorf, HHMI/UT Southwestern Medical Center
Sheen McKnight, UT Southwestern Medical Center
Noriharu Marunouchi, Tokyo Medical & Dental University, Japan
Richard Morimoto, Northwestern University
Deborah Mastio, Duke University School of Medicine
Anders Naar, Harvard Medical School
Christopher Nogard, Duke University Medical Center
Dianne Newm, California Institute of Technology
Stephen O’Rahilly, University of Cambridge, UK
Pere Puigserver, Harvard Medical School
Joshua Rabinowitz, Princeton University
Danny Reiberg, HHMI/NYU School of Medicine
Gary Rosenkranz, Massachusetts General Hospital
David Sabehni, Whitehead Institute

Paolo Sassone-Corsi, University of California, Irvine
Ulrich Schubler, University of Geneva, Switzerland
Gregg Semenza, Johns Hopkins University School of Medicine
Reuben Shaw, Salk Institute for Biological Studies
Gerald Shulman, HHMI/Yale Medical School
Pamela Silver, Harvard Medical School
Nahum Sonenberg, McGill University, Canada
Bruce Spiegelman, Dana-Farber Cancer Institute
Craig Thompson, Memorial Sloan-Kettering Cancer Center
Peter Tsukamoto, HHMI/University of California, Los Angeles
Benjamin Tu, UT Southwestern Medical Center
Matthew Vander Heiden, Massachusetts Institute of Technology
Eric Verdin, J. David Gladstone Institutes
Karen Vousden, Beatson Institute for Cancer Research, UK
Amy Wagers, Harvard University

Douglas Wallace, Children’s Hospital of Philadelphia
Xiaodong Wang, Zhengguan Cancer Life Science Park, China
Eileen White, Rutgers University/The Cancer Institute of New Jersey

Registration, abstract submission and further information: http://www.cshl.edu/meetings
e-mail: meetings@cshl.edu
phone: 516.367.8346
fax: 516.367.8845
POSITIONS OPEN

TWO TENURE-TRACK FACULTY POSITIONS

Marine Microbial Ecology and Coastal Processes

Old Dominion University’s Department of Ocean, Earth and Atmospheric Sciences (OEAS) seeks to fill two tenure-track faculty positions.

One is in the area of marine microbial ecology. Possible research areas include, but are not limited to: microbial contributions to marine productivity, food webs, and biogeochemical cycling as well as microbial proteomics, genomics, and physiology. Skills are particularly sought in the application of developing technologies, including biochemical or molecular biology approaches.

The second position lies in the area of coastal processes, with a focus either on observational physical oceanography or coastal dynamics. Specific areas of interest include: coastal and shelf circulation, surf-zone processes, surface- or bottom-boundary layers, sediment transport, air-sea exchange, Quaternary processes, and influences of climate change on coastal systems such as salt marshes, estuaries, and barrier islands.

Specific course offerings by the successful applicants will include undergraduate or graduate classes contributing to the department’s overall curriculum as well as courses commensurate with the candidates’ expertise. The department has a robust graduate program with students pursuing either M.S. or Ph.D. degrees.

Both positions will be available as soon as July 25, 2011. Colleagues at the assistant-professor level are preferred, but exceptional candidates at the associate level will be considered. Applicants must hold a Ph.D. degree in the oceanographic or related sciences and postdoctoral experience is desirable. The successful candidates must have excellent communications skills and demonstrate strong potential for outstanding accomplishments in research and teaching.

Many opportunities exist for disciplinary and interdisciplinary interactions with more than 25 other faculty in OEAS, its Center for Coastal Physical Oceanography, and other departments within the university. Research and training awards to our faculty in FY2010 were in excess of $6.3M. Additional information about the department and its facilities can be found at website: http://sci.odu.edu/oceanography/.

Applications, including a cover letter, curriculum vitae, teaching and research statements (one page each), copies of three relevant peer-reviewed publications, and contact information for three references must be submitted electronically to e-mail: oeassearch@odu.edu. Review of applications will begin April 15, 2011 and continue until the positions are filled. The College of Sciences welcomes the opportunity to work with candidates to identify suitable employment opportunities for spouses.

Old Dominion University is an Equal Opportunity/Affirmative Action Institution and requires compliance with the Immigration Reform and Control Act of 1986.