The Research Foundation of Stony Brook University/SUNY anticipates the following postdoctoral positions being available between Spring and Fall 2009.

- **BIOCHEMISTRY AND CELL BIOLOGY**
  - Non-cell autonomous effects of MeCP2 null glia in Rett Syndrome. Nuriit Ballas, WC-R-5488-09-02-S
  - Role of glycosylation in signaling and development. Robert Halliwanger, WC-R-5495-09-02-S
  - Role of phosphorylation in yeast meiotic recombination. Nancy Hollingsworth, WC-R-5475-09-02-S
  - Biochemistry of glycoproteins. William J. Lennarz, WC-R-5485-09-02-S

- **BIOMEDICAL ENGINEERING**
  - Conduct high-impact data-driven modeling using modeling for neural, autonomic, and endocrine data. Lilianne Mujica-Parodi, HS-R:3764-09-01-F

- **CEWIT ECONOMIC DEVELOPMENT**
  - Conduct research and work on R&D/commercialization projects with sponsors, partners, and new start-ups. Kaufman, Yang, Sharony, Zhao, WC-R-5487-09-01-S

- **GEOSCIENCES**
  - Computational materials science, high-pressure mineral physics, and chemistry. Artem Oganov, WC-R-5467-09-01-S
  - Theoretical and computational crystallography, mineral physics, and material design. Artem Oganov, WC-R-5486-09-02-S

- **MEDICINE**
  - Drug delivery systems; material science; confocal, electron microscopy; polymers; cancer. Basil Rigas, WC-R-5484-09-01-S
  - Novel drug delivery systems; cancer; animal studies. Basil Rigas, WC-R-5470-09-01-S

- **MICROBIOLOGY**
  - Computational biology: mRNAs in yeast meiosis and cell cycle. Janet Leatherwood, WC-R-5478-09-01-S
  - Molecular biology: splicing and polyadenylation in fission yeast meiosis. Janet Leatherwood, WC-R-5479-09-01-S
  - Molecular biology: cell cycle transcription circuits. Janet Leatherwood, WC-R-5480-09-01-S
  - Signaling and morphogenesis of candida albicans. James Konopka, WC-R-5481-09-01-S

- **MINERAL PHYSICS**
  - High-pressure rheology, elasticity, and synchrotron X-ray studies research. Donald Woerdner, WC-R-5496-09-02-S

- **NEUROBIOLOGY AND BEHAVIOR**
  - Mechanisms of spinal plasticity. William Collins, WC-R-5489-09-02-S
  - Cellular and molecular mechanisms of Neuronal Signaling. Gary Mathews, WC-R-5490-09-02-S
  - Functional and molecular properties of glutamatergic synapses in the brain. Lonnie P. Wollmuth, WC-R-5491-09-02-S

- **PHARMACOLOGICAL SCIENCES**
  - Computational biology/molecular pharmacology of oxidative DNA damage; structure and energetics. Arthur Grollman, WC-R-5494-09-02-S

- **PHARMACOLOGY**
  - Molecular cellular pharmacology; molecular toxicology; structural biology; cell biology; animal pharmacology. Michael Frohman, WC-R-5492-09-02-S
  - Mammalian signal transduction: lipid signaling, diabetes, mitochondrial dynamics, cancer, and secretion. Michael Frohman, HS-R:5463-09-02-S
  - Chemistry and biology of mammalian DNA repair. Orlando Scherer, WC-R-5492-09-02-S

- **PHYSICS AND ASTRONOMY**
  - PHENIX experiment, drift chamber, teach technical skills. Barbara Jacak, WC-R-5476-09-02-S

To apply online and for information, visit [www.stonybrook.edu/jobs](http://www.stonybrook.edu/jobs) or mail résumés to: Office of the President, Stony Brook University, Stony Brook, NY 11794-0701.
TRANSFERRING SKILLS INTO CAREER OPTIONS

Tertiary academic institutions provide a setting where would-be scientists can hone cutting-edge technical skills and push theoretical boundaries. But scientists who take the initiative to explore and master a range of skills will find themselves competitive well beyond the hallowed halls of a university. By Virginia Gewin

As Crystal Icenhour was finishing her first postdoc at Mayo Clinic, she began her search for a tenure-track assistant professorship in medicine. Her first academic job offer fell through, so she took a second postdoc at Duke University and started exploring other professional opportunities that might suit her better. She tapped into the communication and policy skills she gained while serving as a member of the National Postdoctoral Association (NPA) Board of Directors as she applied for a diverse number of jobs: a patent clerk, a science review administrator at the US National Institutes of Health (NIH), and an industry researcher.

Icenhour is now president and director of research at Phthisis Diagnostics, a start-up biotech company located in Charlottesville, Virginia. Icenhour says the biggest mistake postdocs can make is to treat a postdoc as a job, rather than a period of training. “Postdocs have to be empowered to take care of the other skill sets that will create future job opportunities,” she says.

Every postdoc should realize they may not secure a plum tenure-track position. The wise postdoc will explore other options—including positions in government, industry, nonprofit or nongovernmental organizations—to determine what will best fit their blend of interests and capabilities.

NPA considers it a priority to increase postdoc awareness of the variety of career paths open to them. To gauge the career aspirations of her constituency, Cathee Johnson-Phillips, executive director of the NPA, conducted an informal survey of members in November 2008. Of the 674 respondents, she found that 27.3 percent were interested or very interested in starting a company, while 37 percent were interested or very interested in working at a small startup company. Over 45 percent were interested in a career at a nonprofit organization. Students are clearly interested in “alternative” careers, but may not fully appreciate which additional skills are required for a successful leap.

Unfortunately, those so-called transferable skills—including communication, leadership, and management—often fall through the academic cracks. However, a growing number of universities, professional societies, and governmental science offices have put together forums, workshops, and online resources for students and postdocs to make themselves more competitive for nonacademic jobs. The bottom line, though, is that few of these skills can be cultured in the lab.

Sector-Specific Skills for Success

In academia, scientific acumen trumps all other skills. But industry, nonprofit, and government leaders agree: candidates coming straight from academia must combine scientific prowess with well-honed, sector-specific skills to be competitive. Broadly defined, communication skills top the list. But these needs are nuanced.

In the government or nonprofit worlds of science policy, clarity and context are crucial. Justification for a policy stance must be clearly articulated in order to gain traction. “The quality that is hardest to find in the science policy world is the ability to write clearly and quickly,” says John Marburger, Washington, D.C.-based science adviser to President George W. Bush. “Communicating technical material in technical journals does not give you the skills to communicate to nontechnical audiences,” he says.

Acres of journal publications may foretell applicants’ expertise, but it sheds no light on their public-speaking ability—which is necessary to effectively advise policy makers how to adopt sound science. “A person’s science background is a huge asset, but to succeed in advocacy—the ability to communicate a passionate belief in the value of sound science—requires a creative communicator,” says Cheryl Schaffer, director of finance and management—often fall through the academic cracks. However, a growing number of universities, professional societies, and governmental science offices have put together forums, workshops, and online resources for students and postdocs to make themselves more competitive for nonacademic jobs. The bottom line, though, is that few of these skills can be cultured in the lab.

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The Department of Biological Sciences at Dartmouth College, with funding from the Howard Hughes Medical Institute, seeks applications for two HHMI Postdoctoral Fellowships in the Life Sciences. The HHMI Fellowships are two-year, non-tenure track positions with NIH NRSA scale salaries and comprehensive Dartmouth health benefits; they are designed to provide training to postdoctoral fellows in the arts of teaching and research. Each fellow will pursue a life science-related research project in the laboratory of a Dartmouth faculty member from an appropriate department in the Arts and Sciences, Medical School, or Engineering School. Collaborative projects that involve more than one laboratory at Dartmouth will also be considered. In addition, during the first year, each fellow will be paired with a senior faculty member with whom they will co-teach an undergraduate course in biology; they will teach a course alone during the second year. Training in teaching will occur through mentoring and workshops designed specifically for the fellows by staff of the Dartmouth Center for the Advancement of Learning. Thus, the fellows will receive substantial training under the guidance of an experienced faculty and education mentors. The goal of the HHMI Fellowships is to ensure that the fellows develop strong research and teaching credentials.

Applicants should prepare a cover letter, in which they indicate up to three laboratories with which they would like to be affiliated (contact with these laboratories prior to application submission is strongly encouraged but not required; see http://www.dartmouth.edu/~biology/HHMIpostdoc.html for more information), a curriculum vitae, and a statement of career goals and teaching interests. Candidates should also arrange to have three letters of recommendation sent from individuals qualified to comment on the applicant’s credentials. Application materials should be sent to HHMI-Fellows@mac.dartmouth.edu or via mail (HHMI Fellowship Search Committee, Department of Biological Sciences, 6044 Gilman, Dartmouth College, Hanover, New Hampshire 03755). Consideration of applications will begin on 4 May 2009 and continue until the positions are filled. Fellowships will run for two calendar years, beginning on 1 September 2009.

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administration at the Washington, D.C.-based Union of Concerned Scientists (UCS).

Perhaps not surprisingly, networking is a key skill in the nonprofit world. Judy King, director of human resources at the International Life Sciences Institute, says she needs “people-people”—a trait often lacking in scientists who prefer working in a laboratory. Scientists with more diverse backgrounds are often better equipped to find ways to reach out and make connections with potential partners.

Industry is another beast altogether. Communication skills fall under the rubric of being an effective team player. Success in industry is defined by the team’s ability to work together to meet a deadline. If a scientist can’t effectively convey his/her needs to nonscientist team members, a project could be doomed to fail.

But students raised in academia are often taught to work independently. “One of the biggest difficulties that an academic faces when transitioning to industry is learning to de-emphasize the individual achievements and maximize the team achievements,” says Paul Matthews, vice president of imaging at the GlaxoSmithKline (GSK) Clinical Imaging Center housed at Imperial College in London. And in today’s economic climate, team goals are subject to change quickly.

“With the headcount constraints in today’s economic climate, industry needs to hire leaders as well as technically excellent scientists,” says Scott Reines, newly retired vice president of pharmaceutical research and development at Johnson & Johnson, a pharmaceutical company based in New Brunswick, New Jersey. Increasingly, he says, leaders are the people who are most flexible and adaptable to changing corporate priorities.

Even in academia, leadership becomes more important as a field matures. An interesting example, says Matthews, is how the field of genetics has evolved over the past decade. “Ten years ago, geneticists worked in isolation, but now there is a premium on leadership—individuals able to pull together consortiums of geneticists to amass the cohorts of thousands of subjects required to address problems of complex disease genetics,” he says. In fact, industry-academic partnerships designed to effectively build and mine such massive datasets are on the rise, offering additional routes for students to explore nontraditional career options.

“Students tend to define science careers as simply ‘academic’ or ‘nonacademic’—but that does a disservice to the range of nonacademic possibilities,” explains Michael Alvarez, director of Stanford School of Medicine’s Career Center. For example, industry needs bench scientists, but also science-savvy legal, consulting, banking, and media personnel.

Fortunately, an increasing number of opportunities exist for students to learn about and hone the skill sets needed to be competitive for a nontraditional career.

No-Sweat Skills Shops
“Helping postdocs gain the skills necessary to succeed in any career path is a primary focus of NPA,” says Johnson-Phillips. Sessions on Zen and the Art of Personal Conflict Management or on Maximizing Your Postdoc Experience can be found at their annual meeting and regional symposiums.

At NIH, Lori Conlan, director of the office of postdoctoral services in Bethesda, Maryland, has helped develop career advancement toolkits specific to academia, industry, and making career decisions. Conlan oversees the industry track, which consists of monthly seminars focused on industry recruitment tips—including how to transition to team-based science, industry etiquette, and values. More important, she says this format allows her to provide personalized feedback on resumes, cover letters, or other job application documents.

Professional societies—eager to diversify a successful cadre of members—can also help fill the career development role. The American Society for Cell Biology (ASCB) recently reprinted two popular career guides in one volume, Career Advice for Life Sciences I and II, and is compiling a third from monthly career advice columns published in its newsletter. Their annual meetings offer similar career advice workshops covering 27 career topics and sectors including careers in pharmaceutical or biotech industries or scientific publishing. “We know that postdocs and graduate students see the insecurity experienced in academic labs related to grants, and that they need to decide earlier on if an academic career is for them,” says ASCB Executive Director Joan Goldberg. Other societies, including the American Physiological Society and American Physics Society, offer similar career forums.

The Science/AAAS Outreach program covers a broad portfolio of topics including lab management and networking workshops. The goal is to give early-career scientists insight as well as much-needed experience. “Professional societies can, uniquely, draw on their expertise and resources, and give that information back continued »
POSTDOCTORAL TRAINING OPPORTUNITIES

The University of Michigan is an outstanding training environment that combines world-class faculty and innovative programs of research with a rich academic tradition. For two decades Michigan has ranked among the top 10 medical schools in NIH research funding. This research effort is enhanced by 26 NIH-sponsored training programs that support Postdoctoral Scholars. The University of Michigan recognizes the essential contributions Postdoctoral Scholars make to the University’s overall research mission. We welcome inquiries from graduate students nearing completion of the Ph.D. degree regarding opportunities for postdoctoral training in the following areas:

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- Experimental Immunology
- Genome Sciences
- Hearing, Balance and Chemical Senses
- Imaging Science in Biomedicine
- Lung Disease
- Lung Immunopathology
- Medical Rehabilitation Research
- Microbial Pathogenesis
- Molecular Hematology
- Nephrology Research
- Organogenesis
- Reproductive Sciences
- Research in Gastroenterology
- Substance Abuse
- Tissue Engineering and Regeneration
- Urology Research
- Vision Research

For more information about Sponsored Training Programs, as well as descriptions and contact information for the above programs, visit: www.med.umich.edu/medschool/postdoc.

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POSTDOCTORAL OPPORTUNITIES

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

UAB is recruiting candidates for postdoctoral positions in a variety of research areas. UAB faculty are well funded (20th in NIH funding), utilize multidisciplinary approaches, and provide excellent research training environments that can lead exceptional candidates to entry level positions in academia, government or the private sector. Full medical coverage (single or family), competitive salaries/stipends, sick leave, vacation, and maternity/paternity leave are offered with every position. Depending on the source of funding, other benefits may be available. Birmingham is a mid-size city centrally located in the southeast near beaches and mountains and enjoys a moderate climate for year round outdoor activities and a cost of living rate lower than most metropolitan areas.

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

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AMERICAN SOCIETY FOR MICROBIOLOGY AND COORDINATING CENTER FOR INFECTIOUS DISEASES

2010 POSTDOCTORAL RESEARCH FELLOWSHIP PROGRAM

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

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- Bacterial and Mycotic Diseases
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- HIV/AIDS
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- Sexually Transmitted Diseases
- Parasitic Diseases

The fellowship positions are limited to individuals who either earned their doctorate degree (Ph.D., Sc.D., M.D., D.V.M., or D.D.S.) or have completed a primary residency within three years of their proposed start date. Consideration will be given to individuals with more experience if there are compelling reasons for doing so, such as postgraduate subspecialty training or national service. Qualified applicants will receive consideration without regard to race, creed, color, age, sex, or national origin. Diversity among fellows is encouraged. The program provides an annual stipend for two years, health care benefits package up to $3,000 annually, relocation benefits up to $500, and up to $2,000 annually for professional development.

The application deadline is January 15, 2010. The Postdoctoral Research Fellowship Program is administered by the American Society for Microbiology.

For more information, visit ASM’s home page at http://www.asm.org/Education/index.asp?bid=15497 or e-mail: Fellowships-CareerInformation@asmusa.org

The brochure and application are available on line.

POSTDOCTORAL OPPORTUNITIES

A postdoctoral position is available in the Structural Biology Program of the Sloan-Kettering Institute. The successful applicant will investigate structures and mechanisms of macromolecular complexes involved in cancer-related processes such as the DNA damage response and cell cycle checkpoints. A Ph.D. in macromolecular crystallography, biochemistry or a related discipline is required.

Interested applicants should send a cover letter, CV and names of three references to Dr. Nikola Pavletich at pavletin@mskcc.org. MSKCC is an affirmative action, equal opportunity employer.

Memorial Sloan-Kettering Cancer Center
www.mskcc.org

An instrumental chemistry postdoctoral position is available immediately in the laboratories of Dr. Nicholas E. Goeders in the Department of Pharmacology, Toxicology & Neuroscience at the LSU Health Sciences Center in Shreveport. This position will be part of a team investigating the neurobiology of stress and addiction, with special emphasis on the brain mechanisms involved in drug craving and drug seeking. Applicants should have training in operation and maintenance of commercial mass spectrometers and HPLC. Salary will be $28,000-$51,036 depending on experience. Applications should include a CV, a list of publications and the names of references familiar with the applicant’s work. The LSU Health Sciences Center in Shreveport, located in northwest Louisiana, is the largest medical facility in the Tri-State area and has a reputation for excellence in medical and graduate student education and research. Excellent core facilities exist within the LSU Health Sciences Center and the adjoining Biomedical Research Institute.

Nicholas E. Goeders, Ph.D.
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Postdoctoral Positions

“Make sure you mentor students, or assume oversight of a lab management issue, such as radiation safety.”
—Lori Conlan

to the community,” says Brianna Blaser, Science/AAAS Outreach project director.

Some university career centers offer extended programs to gain hands-on, industry-relevant experience. For example, while the current economic climate has presented new investment challenges, industry still sees startups as critical to the bioscience enterprise, says Alvarez. With the help of a prominent law firm, Stanford’s School of Medicine Career Center offers a summer program in bioentrepreneurship for students to explore if their project has commercial potential. The University of Pennsylvania Career Center offers 30-week internships for 6–12 postdocs and medical residents each year who want to work with Penn’s Office of Technology Transfer to gain first-hand experience with patent protection, licensing, and marketing issues.

These universities, and others such as the University of California at San Francisco, offer annual, even monthly, career workshops. Given the booming biotech industry in the Bay Area, Stanford and UCSF place emphasis on entrepreneurship. Alvarez oversees several seminar series ranging from Professional Development Skills, which teaches students how to prepare their credentials, network, and market themselves, to Industry Insights, which brings in senior executives who can discuss how changing regulatory policies or venture capital investment impact industry.

In the UK, the Roberts Report—a 2002 report that found a mismatch between graduate skills and employer needs—prompted increased resources to address “generic” skills courses. In fact, Generic Skills Dundee was developed to unite postdoc organizations from four colleges at Dundee University to tackle specific career management issues. As of this year, they’ve put together 97 individual courses—including Project Management in the Real World and Marketing Yourself in a New Direction. Several other universities have similar programs in place.

Vitaes, a UK-based program designed to promote the training and development of postgraduate researchers, offers a series of one-day courses open to all UK students about the particular needs of specific careers or the subtlety of different roles in industry. They’ve also developed online resources to address five categories of skills to succeed in academia or nonacademic organizations: personal motivation, creating opportunities, working with people, influencing change, and understanding commercial context.

Transferable skills training programs are gaining traction at several sites beyond the United States and UK. Some university science programs, such as Dalhousie University’s Integrated Science Program based in Halifax, Nova Scotia, integrate transferable skills training into the curriculum.

In addition to career development workshops at the annual meeting, the European Molecular Biology Organization based in Heidelberg, Germany, provides lab management training to its postdocs. As well, the four outstations that make up the European Molecular Biology Laboratory offer science writing, presentation, and other training sessions on their intranet.

Individual European institutions that address these skills, such as the German Cancer Research Center and the Barcelona Biomedical Research Park (PRBB), often focus on communication skills. In fact, PRBB offers several communication courses, one called Radio and Podcasting for Scientists. Recently, Marie Curie Postdoc Training Network awards were updated to include specific training in transferable skills. And the European University Association plans to promote UK-style personal development centers focused on offering doctoral candidates training that will enhance their employment prospects.

Students at universities that do not offer transferable skills training can take advantage of existing resources available online or use the opportunity to network and demonstrate leadership skills by coordinating a local skills training event.

Demonstrate Your Skills

With this level of resources, the onus is left squarely with students to carve their individual career path. The danger is simply checking skills workshops off a to-do list. Prospective employers want to see evidence of a student’s abilities.

“We look for leadership in terms of how an individual has presented new ideas or struck out in new directions—that they’ve stepped out of their box and looked at science in a different way,” says Schaffer of UCS. She often finds this evidence in the form of volunteer positions or internships.

“It’s like with anything else in life—learning about a skill doesn’t mean you can do it,” says GSK’s Matthews. “People have to practice and work through the typical problems of leadership and helping organizations form in real life to consolidate practical management skills,” he adds. It can be surprisingly easy to engage in small things outside of one’s research project and lab. “Students can start by doing something as small scale as organizing graduate seminar groups as well as taking on larger management challenges of organizing courses or working on collaborative science projects,” says Matthews.

Icenour of Phthisis has specific advice for postdocs—get out of the lab and try new things. “If you want to gain leadership experience, join Toastmasters, a nonprofit organization that helps people develop public speaking and leadership skills. If you want science policy experience or to learn about the nonprofit world, join your university’s postdoc office,” she says.

Julie Vick, a counselor at the University of Pennsylvania Career Center, encourages her students to join a student-run club called the Penn Biotech Club to learn more about the legal, business, and marketing needs of industry.

Conlan of NIH advises postdocs to take a leadership role in the lab. “Make sure you mentor students, or assume oversight of a lab management issue, such as radiation safety,” she advises. And, when you are writing a CV, properly package existing skills. She suggests using action verbs—coordinate, manage, develop, execute—to describe lab roles.

The ability to transfer these common skills from academia to other nonacademic job sectors may mean more than simply increasing career prospects. It can mean the difference in a career—any career—that successfully bridges disciplines to achieve a bigger goal. “The world now requires that scientists and businesses and nonprofits work together to solve problems,” says Alvarez.

Virginia Gewin is a freelance writer based in Portland, Oregon. DOI: 10.1126/science.opms.r0900066
POSTDOCTORAL SCIENTIST

Max-Planck-Institut für Ornithologie
Max Planck Institute for Ornithology

The Max Planck Institute for Ornithology, Vogelwarte Radolfzell, is an internationally renowned research institution working in the field of Eco-Immunology and Migration. We have recently established a new research group in ecological and evolutionary physiology and are inviting applications for a Research Scientist position.

The successful candidate will be an excellent, highly motivated and productive postdoctoral scientist. Successful applicants will have demonstrated the ability to perform top international research in evolutionary biology, ideally using integrative approaches to study evolutionary questions. The position is available for 5 years and will be hosted by the research group on ecological and evolutionary physiology (group leader Dr. Michaela Hau). The researcher can expect an outstanding scientific environment and excellent support at this newly re-established department of the Max Planck Institute of Ornithology in Radolfzell, Baden-Württemberg, at Lake Constance. This department has close ties with the nearby University of Constance (a cluster of excellence university).

The Max Planck Institute is an equal opportunity employer. Women and members of minority groups are strongly encouraged to apply. In addition, qualifications being equal, precedence will be given to candidates with disabilities. Salary will be according to TV-L. Benefits correspond to those of employees in public service. The position will ideally begin in spring/summer 2009. The scientific language at the institute is English. Complete applications should be submitted by March 30, 2009 to Dr. Michaela Hau at the address below, and should include your CV, a 2-page visionary research statement, and a list of three references. For further details, please contact Dr. Michaela Hau.

Max-Planck-Institut für Ornithologie
Vogelwarte Radolfzell, Dr. Michaela Hau
Schlossallee 2, D-78315 Radolfzell, Germany
Phone: ++49-(0)7732-150113
Email: m.hau@orn.mpg.de
Website: http://orn.mpg.de/mitarbeiter/hau.html

Interested applicants can submit qualifications, including cover letter and resume, at www.kauffman.org/postdocs.

Application deadline for the 2009-2010 Fellowship is May 1, 2009. Applicants’ Academic Advisor submissions must be received by May 15, 2009. A diverse pool of candidates is welcomed and encouraged.

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POSTDOCTORAL OPPORTUNITIES

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Interested applicants can submit qualifications, including cover letter and resume, at www.kauffman.org/postdocs.

Application deadline for the 2009-2010 Fellowship is May 1, 2009. Applicants’ Academic Advisor submissions must be received by May 15, 2009. A diverse pool of candidates is welcomed and encouraged.

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www.kauffman.org
POSTDOCTORAL POSITION
Brain and Behavior Discovery Institute
Medical College of Georgia, Augusta, Georgia

We are looking for a highly motivated individual to join our translationally focused stroke research group. We are investigating the use of agents, including cellular therapies, to intervene in stroke injury. This position would require a strong background in neurosurgery or the generation of stroke animal models. Extra consideration will be given to those candidates proficient in clot-based stroke models. This position will be to establish and run a neurosurgery core facility that will interact with several stroke/brain ischemia laboratories in the Brain and Behavior Discovery Institute. A Ph.D., M.D., or equivalent degree is required.

Please e-mail Dr. Donald J. Coffman, statement of neurosurgical experience and research interests, and contact information for three references to:

Dr. David C. Hess
Professor and Chair
Department of Neurology
Co-Chair Brain and Behavior Discovery Institute
Medical College of Georgia
Augusta, GA 30912-2000
E-mail: dhess@mcg.edu
Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITION
A postdoctoral position is available immediately. The successful applicant must have a Ph.D., M.D., or comparable degree and experience at the postdoctoral level is required.

POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL POSITION
A postdoctoral position is available immediately in the laboratory of Justin R. Fallon for a PROTEIN BIOCHEMIST to purify and characterize a novel biotinylated for Duchenne muscular dystrophy. Requirements: A Ph.D. in a relevant area of protein biochemistry, additional experience at the postdoctoral level is preferred. Applicants with an interest in a bio-technology career are especially encouraged.

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POSTDOCTORAL OPPORTUNITIES
**POSTDOC OPPORTUNITIES**

**Postdoctoral Research Fellow – Biostatistics**

A Postdoctoral Research Fellowship in Biostatistics is available at University College Cork, with the ELDERMET project funded by DAFF/HRB (http://eldermet.ucc.ie). Joining a team at the interface between statistical epidemiology and microbial metagenomics, the appointee will compare cross-sectional and longitudinal measurements of diverse health indices with microbial community composition in a cohort of elderly subjects. Statisticians with a background in medical epidemiology interested in genetics, or quantitative geneticists interested in epidemiological analysis, or those with strong experience in bio-statistical / epidemiological analysis, are encouraged to apply.

The appointee will be a highly motivated individual who can work independently, with a strong computational background. They will perform statistical analysis, will be able to identify methodological issues needing customized solutions, and will develop, evaluate and report statistical models. An understanding of biology/genomics would be advantageous. This challenging role is a fixed term appointment, initially for two years, on the CHI Senior Postdoctoral scale (depending on experience).

Please send CV, covering letter and names of two referees to Dr. Paul O’Toole, Dept. Microbiology and Alimentary Pharmabiotic Centre UCC (pwotoole@ucc.ie) by the closing date: 1st June 09. Informal enquiries also to Dr. Tony Fitzgerald (t.fitzgerald@ucc.ie).

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**INDEPENDENT POST DOC POSITIONS**

Candidates for this position should have exciting research ideas in the fields of biological signalling research and synthetic biology. We expect creativity and an innovative touch in the research proposal. The junior scientists will work together in an independent Post Doc lab (the bioSS signalling Incubator) situated in the new ZBSA building (www.zbsa.uni-freiburg.de). A reasonable budget and support by technical assistants will allow focused research. They also will have full access to the research platforms (Proteomics, Genomics, Metabolomics) of the ZBSA. We expect an active integration into the research environment of the “Excellence Cluster” bioSS applying and developing new techniques in the field of Biological Signal Studies and Synthetic Biology (www.bioSS.uni-freiburg.de). The appointment will be for 3 years.

The University of Freiburg is an equal opportunity employer. Applications of women are strongly encouraged. Handicapped candidates with equivalent qualifications will be given preference. We offer a competitive salary, according to TVL.

The deadline for receipt of applications is April 15th, 2009. Screening procedures begin immediately and continue until the position is filled. Applications including necessary supporting documents should be sent (in electronic form) to the administration of the bioSS Excellence Cluster; e-mail: kontakt@bioso.uni-freiburg.de

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**Executive Director**

International Union of Pure and Applied Chemistry

The International Union of Pure and Applied Chemistry (IUPAC) is seeking to appoint a new Executive Director to replace Dr John W Jost, who will retire towards the end of 2010. The Executive Director reports to the President through the Secretary General (and for financial matters through the Treasurer). The Executive Director is responsible for the administration of the business of the Union, including management of the Union’s Secretariat, its publications, finance, interaction with National Adhering Organizations that comprise the Union, organization of biennial General Assemblies and Congresses, and the provision of support for the officers and governing bodies of the Union. The IUPAC Secretariat has a current staff of five and is located in Research Triangle Park, NC. Extensive travel outside the United States is required.

The Executive Director must have:
- a substantial background in chemistry (doctoral degree preferred)
- ability to organize, manage, recruit and interact effectively with workers in a small office environment
- proficiency in information technology
- ability to formulate and execute the IUPAC budget (currently ~USD 1.5 million p.a.)
- ability to communicate effectively and diplomatically with a large number of scientific leaders throughout the world

A detailed job description is available on request. Salary is commensurate with experience. Only applicants with permanent residence status in the US can be considered. The desired appointment date is early in 2010 to allow for a period of overlap with Dr Jost.

IUPAC was formed in 1919 by chemists from industry and academia. For over eight decades, the Union has succeeded in fostering worldwide communications in the chemical sciences and in uniting academic, industrial and public sector chemistry in a common language. IUPAC is recognized as the world authority on chemical nomenclature, terminology, standardized methods for measurement, atomic weights and many other critically evaluated data. In more recent years, IUPAC has been pro-active in establishing a wide range of conferences and projects designed to promote and stimulate modern developments in chemistry, and also to assist in aspects of chemical education and the public understanding of chemistry.

Interested applicants are asked to send their applications, including CVs and the names and contact details of three referees, by e-mail to the Secretary General at secretariat@iupac.org, by 31 May 2009.

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**Post-Doctoral Research Assistants**

Sir William Dunn School of Pathology

**Graduate Research Assistant**

£25,623 - £30,594 pa

We are seeking to appoint a Research Assistant in the laboratory of Professor Elizabeth Robertson, FRS, WT-PRF, located at the Sir William Dunn School of Pathology.

The post-holder must have a good first degree and proven laboratory experience in animal models, molecular biology, and/or tissue culture. You should have a keen interest in developmental biology and immunology. We are seeking an enthusiastic and highly motivated scientist with good organisational and communication skills to be actively involved in research projects.

Please quote reference LR09/003

**Post-Doctoral Research Assistant**

£28,839 - £35,469 pa

We are seeking to appoint a post-doctoral Research Associate (Grade 7) in a Wellcome Trust funded laboratory with research interests in mammalian developmental biology located at the Sir William Dunn School of Pathology.

Under the direction of Professor Elizabeth Robertson FRS, WT-PRF, the programme focuses on defining the molecular cues responsible for cell allocation and tissue morphogenesis in the developing mammalian embryo. We have exploited transgenic and ES cell technologies to investigate the key signalling pathways and transcriptional networks that regulate expansion of diverse progenitor cell populations. Candidates with experience in gene targeting construct design, high resolution imaging, cell sorting, microarrays, CHIP and/or proteomic approaches would be especially welcome. We are seeking a well trained and ambitious scientist with good organisational and communication skills.

Please quote reference LR09/004

Please send your CV and the contact details of three references to the Administrator, Sir William Dunn School of Pathology, South Parks Road, Oxford OX1 3RE, or email administration@path.ox.ac.uk.

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

The closing date is Friday 13 March 2009.
Assistant Director (NMR Core Facility Manager)  
Florida Center of Excellence/BITT - Office of Research & Innovation  
Campus: University of South Florida Tampa Campus  
Duties: The Manager of the FCoE-BITT NMR Facility will oversee the operations of the Center’s 14T and 18T Varian magnets and supervise other staff members. The magnets are equipped with direct architecture consoles, XYZ gradients, and 5 mm triple-resonance cryogenic probes. The Manager will also support the mission of FCoE-BITT by developing and administering training programs for users and fostering collaborations between academic and industrial researchers.  
Minimum Qualifications: Ph.D. in Chemistry or Physics and three to five years of experience using NMR spectroscopy to investigate the structure and dynamics of biological macromolecules and their complexes. Candidates should also have three to five years of experience managing an NMR facility.  
Preferred Qualifications: Preference will be given to persons with demonstrated expertise in pulse sequence programming and the automation of NMR data collection. Experience with computational aspects of NMR spectroscopy and the maintenance of spectrometer operations is essential.  
Send Cover Letter & Resume to: Alma Julia, ajulia@bitt.usf.edu  
(813) 974-0274 or Florida Center of Excellence/BITT, University of South Florida, Attn: Alma Julia, 50338 USF Holly Drive, Tampa, Florida 33612.  
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* TAMPA * ST. PETERSBURG * SARASOTA * MANATEE * POLYTECHNIC

Case Western Reserve University School of Medicine  
Faculty Positions  
Department of Pharmacology  
Applications are invited from dynamic scientists for faculty positions in the growing and newly renovated Department of Pharmacology at the Case Western Reserve University School of Medicine. All faculty ranks are open, dependent on current level of achievement.  
The Department has a great tradition of excellence in molecular pharmacology with strong, growing programs in chemical biology, membrane structural biology, pharmacogenetics/genomics, and translational pharmacology. Although the best candidates in any area relevant to modern pharmacology will be competitive, applicants with background in pharmacology, pharmacogenetics/genomics, and medicinal chemistry are particularly encouraged to apply. Visit our website at http://pharmacology.case.edu/ for more information about the department.  
Qualified applicants for Instructor should hold a doctoral degree and have completed at least several post-doctoral or fellowship years. Applicants for Assistant Professor should provide a record of scholarly activity and the potential to advance in a field of research. For senior ranks, requirements include evidence of excellent research and recognition of the research program at a national level. Rank is commensurate with experience and achievement.  
Applicants should submit a cover letter, a Curriculum Vitae with publications and grant support, and a list of professional references. All applications should include descriptions of the candidate’s research interests and goals, and teaching, mentoring, and professional service experiences. Please submit applications by e-mail to Camala Thompson, Programs Administrator (camal@case.edu), with c.c. to Amy Wilson-DelRos, Ph.D., Associate Professor of Pharmacology (aww41@case.edu).  
In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity.

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At Monsanto, our talented employees are contributing to our success as a global leader in agriculture. By delivering exceptional results in one of the world’s most important industries, we are creating solutions that improve productivity in farming while reducing the impact on our environment.  
We are looking for a talented individual for the following position in Canas, Costa Rica:  
DNA Laboratory Manager – Costa Rica  
Requisition #mons-00008521  
The Lab Manager coordinates the workflow of high throughout genotyping laboratory, including tissue sampling, DNA extraction and PCR assembly, as well as performing standard molecular biology laboratory experiments and other tasks as necessary.  
The successful candidate will possess a PhD or MS in Molecular Biology, Genetics or a related field with 3 or more years of experience leading a successful DNA laboratory. A basic understanding of molecular biology and molecular breeding methods and techniques is required.  
At Monsanto, our philosophy is about growth – we are committed to helping individuals progress in careers with unlimited potential. We offer competitive salaries, benefits, incentive opportunities and retirement accounts.

The Nanoscience Cooperative Research Center CIC nanoGUNE Consolider (www.nanogune.eu) invites applications and nominations for a position as  
Staff Scientist  
CIC nanoGUNE Consolider, located in San Sebastian, Basque Country (Spain), is a R&D center created recently with the mission of conducting basic and applied world-class research in nanoscience and nanotechnology, fostering training and education excellence, and supporting the growth of a nanotechnology-based industry.  
At the present time, nanoGUNE is welcoming applicants with an outstanding track record of research in electron microscopy. While all professional profiles will be considered independent from the field of specialization, we are particularly interested in a “hands-on” type scientist, whose true expertise and passion is in leading-edge experimentation in the field of transmission electron microscopy. Proficiency in spoken and written English is compulsory; knowledge of Spanish is not a requirement.  
Applicants should forward their CV, a summary of research interests, and a list of at least three references to director@nanogune.eu  
Closing date: 15 March 2009
The Samuel Roberts Noble Foundation invites applications for the position of Senior Vice President and Director of the Forage Improvement Division (FID).

The position of Division Director serves as a senior member of the Noble Foundation’s management team and reports directly to the president. The FID Director provides strategic vision and leadership for the continued growth and impact of the division on a national and international scale. The FID Director is expected to maintain a personal research program. Candidates must be accomplished scientists and have administrative experience with a keen understanding of how to effectively manage a research team.

While FID targets the development of improved forage cultivars for the southern Great Plains, including their use as bioenergy feedstocks, the division and its scientific programs advance the science of plant improvement on a broader scale. The operational focus of the division promotes program interaction in a team setting among accomplished scientists, who conduct translational research in the areas of breeding and genetics of grasses and legumes, the application of genomic technologies, tissue culture/transformation, forage agronomy, and molecular mycology of fungal endophytes and pathogens. During this cultivar development process, the division also conducts basic and applied research, including studies concerning the application of biotechnologies, and publishes in reputable scientific journals.

To advance divisional as well as institutional research programs, the FID interacts with the Noble Foundation’s Plant Biology Division by integrating basic biochemical, genetic and genomic research findings into the production of novel crops. FID also benefits from the opportunity to move small-plot research to large-scale forage systems research in cooperation with the Noble Foundation’s Agricultural Division and its 12,400 acres of field research and demonstration farmland strategically located throughout southern Oklahoma. Additionally, the FID, through the Agricultural Division’s 1,500 farm and ranch cooperators, has potential to access over two million acres in southern Oklahoma and north Texas for on-farm research and demonstration projects. In addition, the FID has existing national and international research collaborations with industry, academia and government agencies.

Preferred candidate qualifications include: 1) Ph.D. and a distinguished record of scholarship with a strong research publication record in a discipline related to the crop improvement process; 2) visionary leadership in crop improvement capable of building upon the Forage Improvement Division’s current vibrant intra- and inter-organizational collaborations; 3) demonstrated administrative and managerial experience; 4) superior interpersonal and communication skills.

Interested applicants are encouraged to learn more about the Noble Foundation’s extensive agricultural research commitment via the Web site www.noble.org. Qualified applicants may apply through the internet at www.noble.org/Jobs or by submitting a letter of interest describing the applicant’s qualifications, potential interest in the position and a description of relevant experience and accomplishments, together with a curriculum vitae and the names and addresses of four references (references will not be contacted without the candidate’s permission) to:

Dr. Richard A. Dixon, Search Committee Chair
The Samuel Roberts Noble Foundation, Inc.
2510 Sam Noble Parkway
Ardmore, Oklahoma 73401
radixon@noble.org

The Noble Foundation is an Affirmative Action/Equal Employment Opportunity Employer
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5th IAS Conference on HIV Pathogenesis, Treatment and Prevention

19 - 22 July 2009

Abstract Submission Deadline
25 February 2009

Registration Standard Fee Deadline
25 February 2009

www.ias2009.org
### 2009 MRS Spring Meeting
San Francisco, CA • April 13-17 • www.mrs.org/spring2009

#### Symposium Chairs
- **Paul R. Besser**
  Advanced Micro Devices, Inc.
paul.besser@amd.com
- **Peter Fratzl**
  Max-Planck-Institute of Colloids and Interfaces
  fratzl@mpikg.mpg.de
- **Nicola Spaldin**
  University of California, Santa Barbara
  nicola@mrl.ucsb.edu
- **Terry M. Tritt**
  Clemson University
  tritt@clemson.edu

### Symposia

#### Electronic and Optical Materials
- A: Amorphous and Polycrystalline Thin-Film Silicon Science and Technology
- B: Concepts in Molecular and Organic Electronics
- C: CMOS Gate-Stack Scaling—Materials, Interfaces, and Reliability Implications
- D: Materials, Processes, and Reliability for Advanced Interconnects for Micro- and Nano-Electronics
- E: Science and Technology of Chemical Mechanical Planarization (CMP)
- F: Packaging, Chip-Package Interactions, and Solder Materials Challenges
- G: High-Throughput Synthesis and Measurement Methods for Rapid Optimization and Discovery of Advanced Materials
- H: Materials and Physics for Nonvolatile Memories
- I: Engineered Multiferroics—Magnetoelectric Interactions, Sensors, and Devices
- J: High-Temperature Photonic Structures
- K: Materials Research for Terahertz Technology Development

#### Energy and the Environment
- L: Nuclear Radiation Detection Materials
- M: Thin-Film Compound Semiconductor Photovoltaics
- N: Materials and Devices for Thermal-to-Electric Energy Conversion
- O: Compound Semiconductors for Energy Applications and Environmental Sustainability
- P: Three-Dimensional Architectures for Energy Generation and Storage
- Q: Materials Science of Water Purification
- R: Materials for Renewable Energy at the Society and Technology Nexus
- S: Materials in Photocatalysis and Photoelectrochemistry for Environmental Applications and H₂ Generation

#### Nanomaterials and Devices
- T: Nanoscale Heat Transport—From Fundamentals to Devices
- U: Electrofluidic Materials and Applications—Micro/Biofluidics, Electrowetting, and Electrospinning
- V: Functional Metal-Oxide Nanostructures
- W: Novel Functional Properties at Oxide-Oxide Interfaces
- X: Nanocrystalline Materials as Precursors for Complex Multifunctional Structures through Chemical Transformations and Self Assembly
- Y: Computational Nanoscience—How to Exploit Synergy between Predictive Simulations and Experiment
- AA: Semiconductor Nanowires—Growth, Size-Dependent Properties, and Applications
- BB: Material Systems and Processes for Three-Dimensional Micro- and Nanoscale Fabrication and Lithography
- CC: Nanoscale Functionalization and New Discoveries in Modern Superconductivity
- DD: Ion Beams and Nano-Engineering
- EE: Materials for Nanophotonics—Plasmonics, Metamaterials, and Light Localization
- FF: Novel Materials and Devices for Spintronics
- GG: Electron Crystallography for Materials Research
- HH: Quantitative Characterization of Nanostructured Materials
- II: Probing Mechanics at Nanoscale Dimensions
- JJ: Nanoscale Electromechanics and Piezoresponse Force Microscopy

#### Soft Matter, Biological and Bio-Inspired Materials
- KK: Structure-Property Relationships in Biomineralized and Biomimetic Composites
- LL: Architectured Multifunctional Materials
- MM: Synthesis of Bio-inspired Hierarchical Soft and Hybrid Materials
- NN: Active Polymers
- OO: Materials and Strategies for Lab-on-a-Chip—Biological Analysis, Cell-Material Interfaces, and Fluidic Assembly of Nanostructures
- PP: Materials and Devices for Flexible and Stretchable Electronics

#### General Interest
- X: Frontiers of Materials Research

### Meeting Activities

#### Symposium Tutorial Program
Available only to meeting attendees, the symposium tutorials will concentrate on new, rapidly breaking areas of research and are designed to encourage the exchange of information during the symposium.

#### Exhibit
A major exhibit encompassing the full spectrum of equipment, instrumentation, products, software, publications, and services is scheduled for April 14-16 in Moscone West, convenient to the technical session rooms.

#### Symposium Assistant Opportunities
Graduate students who are interested in assisting in the symposium rooms during the 2009 MRS Spring Meeting are encouraged to apply for a Symposium Assistant position. By assisting in a minimum of four half-day sessions, students will receive a refund of the student meeting registration fee, a one-year MRS student membership commencing July 1, 2009, and a stipend to help defray expenses. The application is available on the MRS Web site.

#### Career Center
A Career Center for MRS members and meeting attendees will be offered in Moscone West during the 2009 MRS Spring Meeting.

#### Publications Desk
A full display of over 960 books will be available at the MRS Publications Desk. Symposium Proceedings from recent MRS Spring and Fall Meetings will be featured.

#### Graduate Student Awards
The Materials Research Society announces the availability of Gold and Silver Awards for graduate students conducting research on a topic to be addressed in the 2009 MRS Spring Meeting symposia. All finalists will receive a waiver of the meeting registration fee and a one-year MRS student membership commencing July 1, 2009. The award prizes consist of $400 and a presentation plaque for the Gold Awards and $200 and a certificate for the Silver Awards. The application can be accessed via the MRS Web site and must be submitted online by December 30, 2008.
Faculty Positions: Melanoma Research

The Donald A. Adam Comprehensive Melanoma Research Center at the Moffitt Cancer Center is seeking laboratory-based faculty members with a Ph.D., M.D., or M.D., Ph.D. with an interest in melanoma research. The prospective candidates will be appointed at the Associate or Senior Member level, and it is expected that they would establish an independent funded laboratory research program concentrating on translational melanoma investigation in the fields of tumor microenvironment, apoptosis or the cell cycle.

An outstanding start-up plan is available, as well as a highly competitive salary package with excellent lab space. A specific attraction is the opportunity to interact with ongoing well funded research programs in molecular oncology, drug development, population science and translational immunology/immunotherapy. The Comprehensive Melanoma Research Center brings together clinicians, basic and translational scientists at Moffitt to aggressively pursue new ideas in the etiology, treatment and prevention of melanoma. At the Moffitt Cancer Center, significant growth in basic and translational research, in laboratory space resources and faculty recruitment will occur in the next decade as a high priority.

Consistently ranked in U.S. News & World Report “Best Cancer Hospitals” for the past nine years, Moffitt Cancer Center and Research Institute is a free-standing, not-for-profit cancer center. Moffitt opened on the campus of Tampa’s University of South Florida in October, 1986 and became Florida’s only NCI designated Comprehensive Cancer Center in 2001. There is vast opportunity within our framework for information technology, scientific research, clinical treatment and quality of life studies, as we see over 15,000 new cancer patients each year. Our environment is one of multi-modality, patient-centered care requiring highly collaborative clinical research programs. Moffitt is committed to education through a wide range of residency and fellowship programs.

The Moffitt Research Institute is comprised of approximately 140 Principal Investigators, 58 laboratories, and 306,000 square feet of research space. The Cancer Center is comprised of a large ambulatory care facility, a 162-bed hospital, with a 30-bed blood and marrow transplant program, 12 state of the art operating suites, a 22-bed intensive care unit, a high volume screening program, and a basic science research facility.

The Moffitt Cancer Center is affiliated with the University of South Florida. Primary and secondary University appointments are available, as applicable. Academic rank is commensurate with qualifications and experience.

For inquiries about the position, contact Dr. Jeffrey Weber, Director, Donald A. Adam Comprehensive Melanoma Research Center, at 813-745-2007, or email Jeffrey.weber@moffitt.org.

To apply, visit our website moffittcareers.org and refer to requisition number 4348.

The Moffitt Cancer Center provides a tobacco-free work environment, is an equal opportunity, affirmative action employer, and a drug free workplace.

Professor and Chair, Department of Chemistry

The DEPARTMENT OF CHEMISTRY at Washington University in Saint Louis invites applications for the tenured position of Chair of the department. The department is represented by 26 faculty with multiple interests spanning inorganic, physical, materials, organic, analytical, nuclear, and biological chemistry (http://www.chemistry.wustl.edu/). Faculty growth is anticipated in these or other compatible areas, using substantial funds committed for this purpose. The department is home to state of the art research laboratories and support facilities, and it administers a Chemistry Graduate Program that admits 25 new students on an annual basis. The successful candidate will have demonstrated excellence in research, and a strong commitment to undergraduate teaching and postgraduate education, as well as to fostering interdisciplinary interactions between departments and schools.

Washington University has a highly interactive research environment with vigorous interdisciplinary research and educational programs. Minority and women scientists are especially encouraged to apply. Applicants should submit their curriculum vitae, selected reprints, a short summary of future research plans and a statement on teaching and interdisciplinary activities, as well as the names of references electronically to chemsrch@wustl.edu or by mail to:

CHEMISTRY CHAIR SEARCH
Office of the Dean of Arts & Sciences
Washington University - St. Louis
One Brookings Drive
St. Louis, MO 63130

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

INDEPENDENT RESEARCH FELLOWSHIPS

The John Innes Centre (JIC), Norwich, UK is a world leading centre of excellence in plant and microbial sciences based on the Norwich Research Park. We are inviting applications from outstanding researchers who either hold, or wish to apply for Independent Research Fellowships, to attend a Conference at the JIC on 1/2 June 2009. At the meeting you will be able to present a talk about your proposed area of research and to discuss your proposals, the development of your group and your future career plans in depth with senior JIC Scientists.

After the Conference we will select and mentor outstanding candidates in writing Fellowship applications and/or offer the opportunity to move existing Fellowships to the JIC.

Further details and particulars can be found at http://www.jic.ac.uk/corporate/opportunities/vacancies/fellows.htm

Please e-mail a 2-page summary of your research plan, a copy of your CV, and arrange for three letters of recommendation to be emailed to dawn.barrett@bbesc.ac.uk by Friday 17th April 2009.

The John Innes Centre is a registered charity (No238552) grant-aided by the Biotechnology and Biological Sciences Research Council and is an Equal Opportunities Employer.
Research Scientists and Research Technicians

Competitive Salary and Benefits Package

Saudi Arabia

The Genomics and Proteomics Core Facilities at KAUST in Saudi Arabia have openings for experienced Research Scientists and Technicians who are seeking employment in a challenging and dynamic environment, starting July 2009.

Applicants should have a Bachelor’s, Master’s or PhD related to Genetics or Chemical/Biological Science. Technical competence in any of the following is essential: New Generation Sequencing, Micro Arrays, Q PCR and/or GC/MS, HPLC/MS, LTQ, QToF and MALDI-Tof instruments. Experience with LIMS and other Lab automation is a plus. Effective English communication skills are also required.

Applicants may find details on these positions (and many more) on the KAUST website www.kaust.edu.sa under EMPLOYMENT.

www.kaust.edu.sa

Principal Investigator Positions

Primate Brain Research and Functional Brain Imaging

The Okinawa Institute of Science and Technology (OIST: http://www.oist.jp) is a new international research institute created to establish a world-class graduate university of science and technology in Okinawa, Japan. Under the leadership of the founding President Sydney Brenner and the OIST Board of Governors, 19 research units have been established with over 160 researchers in temporary laboratories. The first stage of the permanent campus will open in early 2010. The second stage of the campus incorporating new facilities for non-human primate research and brain imaging of both non-human primates and humans will be completed in 2011. The campus is being built on 85 hectares of undeveloped forest land overlooking tropical beaches in Onna-son on the west coast of Okinawa.

OIST is now inviting applications for approximately 6 Principal Investigator positions in the fields of Primate Brain Research and Functional Brain Imaging. Initial appointments are for five years with budget for the entire period including full salary support for the PI and research staff, equipment, and operating expenses, and can begin as early as fall, 2009. For appointments beginning before 2011, the budget can be used for preparatory studies at another research institution with an appropriate joint research agreement. All programs undergo review at 5-year intervals, and OIST expects to renew successful programs.

This is an unparalleled opportunity to participate in designing and using a state-of-the-art NHP laboratory facility incorporating new technologies, such as molecular and genetic methods, optical imaging, high-field MRI scanners, powerful computational methods, and brain-machine interface. In addition to developing the NHP and brain imaging facility, successful candidates will be participating in establishing this major new research facility for neuroscience research at all levels. This is an exciting opportunity to participate in building a new international, interdisciplinary research community in the setting of the beautiful natural environment and rich cultural tradition of Okinawa.

Candidates should have a doctoral degree, a strong publication record, creative research approaches, and experience in managing research operations. They will participate in an interactive research community and thus should have good communication skills and the ability to work collegially. Candidates should submit a cover letter, a CV, names and contact information for five referees, and statement of current and future research interests in a single PDF file, and up to five representative papers in PDF format by e-mail attachment to NHP-Imaging-09@oist.jp by March 31, 2009 to be considered in the first round of reviews. The search will remain open until the positions are filled. Please direct questions about the position to Dr. Kenji Doya at NHP-Imaging-09@oist
Science Careers is the catalyst for your ambition.

Promoting your ambition is what we do. We’re your catalyst for connecting with the industry’s top employers. We’re the experts and source for accessing the latest and most relevant career information across the globe.

Our newly designed website offers a set of tools that help you discover career opportunities and your personal potential. Whether you’re seeking a new job, career advancement in your chosen field, or ways to stay current on industry trends, Science Careers is your catalyst for an accelerated future.

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**Job Search Functionality:**
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- Track Your Activity
- Search by Geography
- Enhanced Job Sorting

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Asst/Assoc Dean for Academic Affairs
Graduate School of Biomedical Sciences,
The University of Texas Health Science Center at Houston and M. D. Anderson Cancer Center.

Provides academic leadership for formulation, dissemination, and implementation of policies and procedures; records and reports; assessing and enhancing student learning and Faculty teaching effectiveness; and advising, publications, and special events. PhD in a biological science or related field plus three years of experience in higher education required; administrative experience highly desirable. Duties are primarily administrative, but limited teaching may be possible. Available March 15, 2009, but must be filled by August 15, 2009. For information about the School see [http://gsbs.uth.tmc.edu](http://gsbs.uth.tmc.edu). Interested candidates should provide a CV and statement of interest at [https://jobs.uth.tmc.edu](https://jobs.uth.tmc.edu). The review of applications will begin immediately and continue until the position is filled.

The University of Texas Health Science Center at Houston is an E0AA employer. M/F/D/V. This is a security-sensitive position and thereby subject to Texas Education code 51.215. A background check will be required for the final candidate.

Faculty Positions for Physician-Scientists
Vertebrate Developmental Biology
Yale University School of Medicine

Yale University School of Medicine is pleased to announce a newly established interdepartmental research Program in Vertebrate Developmental Biology. This program, which is a joint venture between the Departments of Pediatrics and Genetics, will provide a rich, collaborative environment for basic and translational research on the molecular and genetic basis of human birth defects and organ development. We are currently searching for two physician-scientists – one established investigator (Associate Professor/Professor) and one junior investigator (Assistant Professor). Successful candidates will have established or emerging research programs in vertebral developmental biology, as well as clinical credentials in any area of medicine relevant to Pediatrics. Start-up funds and protected time for research will be provided.

Interested persons should send a CV, brief statement of research interests, and three letters of recommendation to Clifford W. Bogue, MD, Director, Yale Program in Vertebrate Developmental Biology, exclusively at the following address: [lisa.palmieri@yale.edu](mailto:lisa.palmieri@yale.edu) or [Lisa Palmieri, Yale Program in Vertebrate Developmental Biology, Department of Pediatrics, 333 Cedar Street, PO Box 208064, New Haven, CT 06520-8064](https://jobs.uth.tmc.edu). The deadline for the first round of applications is April 30, 2009.

Yale University is an Affirmative Action/Equal Opportunity Employer.

Faculty Positions in the Division of Molecular Cardiology, Department of Medicine

Several tenure-track, State of Texas funded positions at the Assistant and Associate Professor levels are available. Focus of the Division is Cardiovascular, with emphasis on cardiac hypertrophy, remodeling and heart failure. Funded candidates with a molecular approach that interfaces with translational initiatives are encouraged to apply. Competitive startup packages, incentives and lab space are available. Core facilities include microarray, imaging (confocal and atomic force), proteomics, cell sorting and analysis, and laser capture microdissection. The Division, which is part of the Texas A&M College of Medicine, is located in Temple, Texas, a vibrant city close to Austin. In addition to research, new faculty will instruct fellows and residents, medical and/or graduate students, and will be active in pre- and postdoctoral training. Interactions with clinical researchers are encouraged through Scott & White and the Central Texas Veterans Health Care System, major teaching hospitals of the Texas A&M Health Science Center. The College of Medicine is undergoing a rapid growth phase with expansion of the medical school class, and a substantial number of new faculty will be recruited in upcoming years. A Diabetes Institute is being established with a strong clinical program at Temple and Round Rock, TX and research base at Temple that includes several clinical trials, epidemiology studies and a pilot program of clinical translation of stem cell therapy in diabetes. Send CV, statement of research, training and teaching goals, and a list of 3 references to: kbaker@medicine.tamhsc.edu or Kenneth M. Baker, M.D., Division of Molecular Cardiology, Texas A&M Health Science Center, College of Medicine, 1901 South First Street, Building 205, Temple, Texas 76504.

Tenure-Track Faculty Positions in the Division of Endocrinology, Department of Medicine

Tenure-track positions at the Assistant and Associate Professor levels. The focus of the Division is on Diabetes and its complications. Funded candidates with a molecular and/or clinical patho-phyiology emphasis that interfaces with clinical/translational initiatives are encouraged to apply. In addition to research, new faculty will instruct fellows and residents, medical and/or graduate students, and will be active in pre- and postdoctoral training. Core facilities available include microarray, imaging (confocal and atomic force), proteomics, cell sorting and analysis, and laser capture microdissection. Interactions with clinical researchers are encouraged through Scott & White and the Central Texas Veterans Health Care System, major teaching hospitals of the Texas A&M Health Science Center. The College of Medicine is undergoing a rapid growth phase with expansion of the medical school class, and a substantial number of new faculty will be recruited in upcoming years. A Diabetes Institute is being established with a strong clinical program at Temple and Round Rock, TX and research base at Temple that includes several clinical trials, epidemiology studies and a pilot program of clinical translation of stem cell therapy in diabetes. Send CV, statement of research, training and teaching goals, and a list of 3 references to: Alejandro Arroliga, MD, Interim Chairman, Dept. of Medicine, Scott & White, 2401 South 31st St, Temple, Texas 76508, aarroliga@swmail.sw.org EOE.
3rd Congress of European Microbiologists
FEMS 2009
Gothenburg, Sweden, June 28 - July 2, 2009

Microbes and Man - Interdependence and Future Challenges

TO REGISTER ONLINE, VISIT: WWW.KENES.COM/FEMS

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FEATURING
• Joint Symposia with major microbiological societies including ASM, ESCMID, ISME and IUMS
• The Bergey’s Manual Trust Satellite Symposium
• European Culture Collection Organization (ECCO) Satellite Symposium
• Opportunities to meet leaders in the field of microbiology, FEMS member societies, European Research Consortia, editorial boards of journals and others
• Young scientists support program that offers travel scholarships and awards

EARLY REGISTRATION DEADLINE: APRIL 27, 2009

KEY AREAS TO BE ADDRESSED
• Biodiversity
• Biofilms in Ecology and Medicine
• Clinical Microbiology and Pathogenesis
• Eukaryotic Microbes
• Marine Microbiology
• Microbial Stress Responses
• Microbes in Alternative Energy Generation
• Molecular Microbiology and Genomics
• Virology
• And Many More
Announcement of a competitive call for additional project Small & Medium Enterprises partners

MYORES, the first FP6 European project dedicated to Multi-organismic Approach to study Normal and Aberrant Muscle Development, Function and Repair, requires the participation of new project partners.

Competitive call objectives and description

MYORES has retained a specific budget dedicated to favour the integration of SMEs in the project. The overall objective, as described in the MYORES Contract, is the transfer of acquired data to biotech and clinical applications.

- The development of new technology tools for the optimisation of biotechnology processes (in vitro, in vivo and in silico predictive models, screen tests, pharmacological tests, toxicity assays...) and the use of the generated genomic and post-genomic knowledge.
- The development of proof of concept, new therapeutic or diagnostic applications with a priority for health

We are therefore opening a new competitive call to select SME partners willing to develop links and collaborations with the best European scientists in the field of developmental muscle research and/or develop with them new tools or products and are welcome to propose their projects for 12-month duration.

For more information on MYORES project research topics, please visit our website: www.myores.org or contact the manager at sme@myores.org

Expected duration of participation in project: April 2009 to June 30th 2010

Estimated costs and funding for the tasks:

The applicant must add to the application a detailed budget related to the planned work. The funding will depend on the selected project and the number of projects retained. It could go up to around 250 000 € per participant; if justified.

The Community financial contribution could reimburse up to 100% of the eligible costs incurred by the selected participants as per the rules pertaining to FP6 Networks of Excellence.

Deadline: The call closes at 17:00 (Brussels time) on March 15th 2009

How to apply: please find the call text and the application forms on www.myores.org

Additional information: please leave a message on sme@myores.org.

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PRIZES

KUWAIT PRIZE 2009
Invitation for Nominations

The Kuwait Foundation for the Advancement of Sciences (KFAS) institutionalized the KUWAIT Prize to recognize distinguished accomplishments in the arts, humanities and sciences. The Prizes are awarded annually in the following categories:

A. Basic Sciences
B. Applied Sciences
C. Economics and Social Sciences
D. Arts and Literature
E. Arabic and Islamic Scientific Heritage

The Prizes for 2009 will be awarded in the following fields:

1. Basic Sciences
2. Applied Sciences
3. Economic and Social Sciences
4. Arts and Literature
5. Arabic and Islamic Scientific Heritage

Foreground and Conditions of the Prize:

1. Two prizes are awarded in each category:
   - A Prize to recognize the distinguished scientific research of a Kuwaiti citizen, and,
   - A Prize to recognize the distinguished scientific research of an Arab citizen.
2. The candidate should not have been awarded a Prize for the submitted work by any other institution.
3. Nominations for these Prizes are accepted from individuals, academic and scientific centers, learned societies, past recipients of the Prize, and peers of the nominee. No nominations are accepted from political entities.
4. The scientific research submitted must have been published during the last ten years.
5. Each Prize consists of a cash sum of K.D. 30,000/- (approx. U.S.$100,000/-), a Gold medal, a KFAS Shield and a Certificate of Recognition.
6. Nominators must clearly indicate the distinguished work that qualifies their candidate for consideration.
7. The results of KFAS decision regarding selection of winners are final.
8. The documents submitted for nominations will not be returned regardless of the outcome of the decision.
9. Each winner is expected to deliver a lecture concerning the contribution for which he was awarded the Prize.

Inquiries concerning the KUWAIT PRIZE and nominations including complete curriculum vitae and updated lists of publications by the candidate with four copies of each of the published papers should be received before 31/10/2009 and addressed to:

The Director General
The Kuwait Foundation for the Advancement of Sciences - P.O. Box: 25263, Safat - 13113, Kuwait.
Tel: (+965) 22429780 / Fax: 22403891 / E-Mail: prize@kfas.org.kw
POSTDOCTORAL OPPORTUNITIES

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE
University of Rochester, New York

Several Postdoctoral positions are available in two research areas: (1) genome-scale cellular gene regulation in _Clostridium thermocellum_ for bioethanol and biohydrogen productions in collaboration with two national laboratories. Background in molecular biology, microbiology, and biochemistry is desirable. Expertise in transcription regulation using genomic and proteomic approaches is preferred. (2) Murine and human bone marrow tissue culture, blood cell development, and drug testing. Background in cell/tissue culture and animal experiments is desirable. Expertise in tissue culture and animal experiments is desirable. Candidates with a doctoral degree or M.S. degree with many years of research experience in life science or bioengineering are encouraged to apply. Please submit by e-mail a cover letter and curriculum vitae with three references to Prof. David Wu at e-mail: davidwu@che.rochester.edu.

POSTDOCTORAL FELLOW
Johns Hopkins University School of Medicine

Within the Department of Radiology and Institute for Cell Engineering, Ph.D. candidate or recent graduate must have strong background in neuroscience, stem cell biology, and neurortransplantation. Will use giall strial precursor cells and embryonic stem cell-derived motor neurons for therapy of motor neuron disease in rats. MRI and bioluminescence imaging is applied to track cells noninvasively. Expertise with neuursurgery, histology, and stem cell cultures a must. Imaging experience not mandatory; will be taught.

Contact: Dr. Jeff W.M. Bulte, Director of Cellular Imaging, Johns Hopkins University School of Medicine, e-mail: jwbulte@mrri.jhu.edu. Website: http://www.hopkins-ice.org/vascular/int/bulte.html.

POSTDOCTORAL POSITION

A POSTDOCTORAL POSITION is available in the Department of Gynecology-Obstetrics at the University at Buffalo, the State University of New York to study the molecular biology of ovarian function. Experience in ovarian or pregnancy studies is desirable. Ph.D. and M.D. candidates with a molecular biology background are preferred. Application materials are submitted by e-mail. Content of applications and research interests should include (a) curriculum vitae, (b) three letters of recommendation, and (c) a statement of research interests and teaching philosophy.

Submit application to: John Yeh, M.D., Professor and Chairman, Department of Gynecology-Obstetrics, 219 Bryant Street, Buffalo, NY 14222. Fax: 716-888-3833; e-mail: szymkow@buffalo.edu.

POSTDOCTORAL POSITION

To study stem cells and cancer risk (website: http://www.umassmed.edu/cancerbiology/faculty/hsiich.html/start-08). Must have Ph.D., strong background in molecular biology, biochemistry, stem cell biology, and excellent communication skills. Send letter, curriculum vitae, and references to: Dr. Hoi Pang Low, Cancer Biology Department, University of Massachusetts Medical School, e-mail: hoipang.low@umassmed.edu.

AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER.

HARVARD MEDICAL SCHOOL

POSTDOCTORAL POSITION available to study the regulation of synaptic protein synthesis and its role in synaptic plasticity and autism. Recent Ph.D. and M.D. candidates with a strong background in molecular biology, biochemistry and proteomics, neuronal culture, or electrophysiology are encouraged to apply. Send curriculum vitae and research interests to Dr. Ray Kelleher (website: http://www2.masgeneral.org/chge/faculty_kelleher.htm); e-mail: kelleher@helix.mgh.harvard.edu.

PHYSIOLOGICAL ECologist
University of Arkansas at Little Rock

The Biology Department at the University of Arkansas at Little Rock (UALR) invites applications for a full-time TENURE-TRACK ASSISTANT PROFESSOR in Oligonucleotides (e-mail: spyanoviak@ualr.edu), Department of Biology, University of Arkansas at Little Rock, 201 S. University Avenue, Little Rock, AR 72204-1099. Electronic submissions are accepted; e-mail: spyanoviak@ualr.edu with requisition #508 in subject line or fax: 501-569-3271. Review of applications will begin March 17, 2009, and continue until the position is filled. For more information visit websites: http://www.ualr.edu or http://ualr.edu/biology/.

The University of Arkansas at Little Rock is an Affirmative Action, Equal Opportunity Employer and actively seeks the candidacy of qualified women, men, and persons with disabilities. Under Arkansas law, all applications are subject to disclosure. Persons hired must have, or be able to obtain, proof of legal authority to work in the United States.

ASSOCIATE/ASSOCIATE PROFESSOR
Molecular and Cellular Biology

The Department of Environmental and Forest Biology at the State University of New York College of Environmental Science and Forestry (SUNY-ESF) in Syracuse, New York, invites applications for an academic-year, tenure-track position as an Associate or Assistant Professor in molecular and cellular biology. Applicants must have a Ph.D. in molecular or cellular biology, plant or microbial physiology, or related fields; one or more years of postdoctoral experience; and a proven track record in biochemical, molecular, or cellular biology research as it is applied to bioenergy, biofuels, biomaterials, or related fields. The successful candidate is expected to develop a significant, extramurally funded research program and demonstrate a high commitment to teaching at the undergraduate and graduate levels.

For a full position description and to apply online, see website: http://www.esf.edu/hr/search/. To ensure optimal consideration, all application materials must be received by March 15, 2009; this position will remain open until filled. Applications should include a letter summarizing qualifications, curriculum vitae, statement of research interests, separate statement of teaching experience and philosophy, and the names and addresses of three references. For more information contact William Powell at e-mail: wpowell@esf.edu.

SUNY-ESF is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL OPPORTUNITY

POSTDOCTORAL POSITION, BIOCHEMISTRY. Position at University of Medicine and Dentistry of New Jersey (UMDNJ) in translational research on the ribosome. Seeking Ph.D.s and M.D.s with a strong background in molecular biology, biochemistry and proteomics, and human/mammalian cell culture. Experience with molecular biology and protein purification required. E-mail resume to Dr. Wlodzimierz Mandecki, e-mail: mandecki@umdnj.edu. Equal Opportunity Employer.

POSTDOCTORAL OPPORTUNITY

CAREER OPPORTUNITY

Doctor of Optometry (O.D.) degree in 27 months for Ph.D.s in science and M.D.s. Excellent career opportunities for O.D./Ph.D.s and O.D./M.D.s in research, education, industry, and clinical practice. This unique program starts in March of each year, and features small classes and 12 months devoted to clinical care.

Contact the Admissions Office, telephone: 800-824-5826 at the New England College of Optometry, 424 Beacon Street, Boston, MA 02115. Additional information at website: http://www.neco.edu, e-mail: admissions@neco.edu.

COURSE ANNOUNCEMENT

BIOMECHANICS, PHYSIOLOGY, and GENETICS OF INTERTIDAL COMMUNITIES

Intertidal communities are widely used as a model system in community ecology, physiology, and genetics. Many of the factors responsible for structuring these communities are abiotic variables such as wave exposure, temperature, wind speed, and light. The physical and biological environment also sets the geographic scale for dispersal, adaptation, and gene flow. This four-week summer course is designed to offer Experimental Ecologists theoretical and hands-on instruction in cutting-edge methods in biomechanics, physiology/biochemistry/ molecular biology, and genetic investigations of dispersal, as applied to questions in community ecology. The relationships between complex environmental mosaics and genome responses in the context of future climate change will be a major theme.

Instructors: Drs. Mark Denny, Steve Palumbi and George Somero. Dates: June 15 through July 10, 2009. Additional information following the course is available.

Contact: Drs. Mark Denny, Steve Palumbi and George Somero. Dates: June 15 through July 10, 2009. Additional information following the course is available.

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