POSTDOCTORAL POSITIONS

Stony Brook University anticipates the following postdoctoral positions being available:

- **BIOCHEMISTRY AND CELL BIOLOGY**
  Structural biology of macromolecular complexes by cryo-EM and X-ray crystallography
  Dr. Huilin Li, WC-R-7758-13-02-S

- **GEOSCIENCE**
  Theoretical and computational crystallography, mineral physics and materials design
  Dr. Artem Oganov, WC-S-7763-13-02-S

- **MOLECULAR GENETICS**
  The role of lipids in infectious disease
  Dr. Maurizio Del Poeta, HS-R-7757-13-02-S

- **NEUROBIOLOGY AND BEHAVIOR**
  Motoneuron Physiology and Plasticity
  Dr. William Collins, WC-R-7723-13-02-S

  Cortical processing of chemosensory information and reward
  Dr. Alfredo Fontanini, WC-R-7729-13-02-S

  Molecular Mechanisms of Neuronal Phenotype control
  Dr. Simon Halegoua, WC-R-7731-13-02-S

  Cerebral Oscillations and their role in perceptual learning
  Dr. Joseph Fostino, WC-R-7739-13-02-S

  Glial function in Health and Disease
  Dr. Joel Levine, WC-R-7722-13-02-S

  Experience-dependent plasticity in cortical circuits
  Dr. Arianna Maffei, WC-R-7730-13-02-S

  Synaptic Mechanisms in the Retina
  Dr. Gary Mathews, WC-R-7726-13-02-S

  Functional Capacity of the Damaged Spinal Cord
  Dr. Lorne Mandell, WC-R-7727-13-02-S

  Electrophysiological and Optogenetic Studies of Central Cholinergic Circuits
  Dr. Lorna Ryle, WC-R-7724-13-02-S

  Developmental molecular cellular Neurobiology
  Dr. Maya Shelby, WC-R-7765-13-02-S

  Regulation of Neural Gene Expression
  Dr. Howard Sirotnik, WC-R-7728-13-02-S

  Molcular Structure of Glutamate Signaling
  Dr. Lonnie Wolmark, WC-R-7725-13-02-S

- **PATHOLOGY**
  Stem cell development, generate/differentiate umbilical cord mesenchymal stem cell
  Dr. Yupo Ma, WC-R-7767-13-02-S

- **PHARMACOLOGICAL SCIENCES**
  Cancer, Lipid biology, diabetes, mitochondria, and neuropharmacology
  Dr. Michael Frohman, HS-R-7766-13-02-S

  Molecular toxicology, cancer, genomics
  Dr. Arthur Grollman, HS-R-7760-13-02-S

  Toxicology, Cancer, Genetic Association Testing, Mouse Models
  Dr. Thomas Rosenquist, HS-R-7759-13-02-S

- **PSYCHOLOGY**
  Postdoctoral fellow in developmental clinical cognitive neuroscience (ERP/IMRI) of depression
  Dr. Greg Hajcak, WC-R-7783-13-02-S
About us

Fifty percent of all science created in Brazil is produced in the State of São Paulo. The state hosts three of the most important Latin American universities: USP, UNICAMP and UNESP. Other universities and 19 research institutes are also located in São Paulo, among them the renowned Instituto Tecnológico de Aeronáutica (ITA), Instituto Nacional de Pesquisas Espaciais (INPE) and Laboratório Nacional de Luz Sincrotron, besides most of Brazilian Industrial P&D.

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

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

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

In the first case, positions are advertised at www.fapesp.br/oportunidades/ and candidates are selected through international competition. In the second, the proposal must represent an addition to a pre-existent research group and should be developed in association with faculty in higher education and research institutions in São Paulo. More information at www.fapesp.br/en/5427.

Location: São Paulo, SP, Brazil

Primary Contact Details:
Rua Pio XI, 1500 Alto da Lapa 05468-901
São Paulo, SP – Brazil
Phone: +55-11-3838-4000
URL: www.fapesp.br

Key Research Areas
Earth Sciences
Engineering
Exact Sciences
Life Sciences
Physical Sciences
Social Sciences
Opportunity Knocks: But Which Door Should You Open?

Game-changing career opportunities for postdocs are everywhere. Whether it is a paper to write, a fellowship to chase, or an informal conversation to have, any opportunity could be “the one”—the one that grants you access to a satisfying job, a prolific alliance, or a novel research insight. After you network, go to the right conferences, have coffee with the right people, and apply for several appointments, how do you pick which avenues to pursue?

By Alaina G. Levine

“IT’S NEVER TOO LATE TO THINK ABOUT AND EXPLORE OPTIONS THAT MAY MAKE YOU REALLY HAPPY AND EXCITED TO COME INTO WORK EVERY DAY.”

Melanie Sinche

Shortly after receiving his Ph.D., Lakshmi Reddi ran into a researcher from South Korea while he was on route to the restroom. The scholar was visiting his department to give a talk in an area with seemingly very little connection to Reddi’s expertise, but he cornered him nonetheless, because “as a doctoral student I had made it an issue to attend talks in areas other than mine and to cultivate learning from people who didn’t speak the same language as I do,” he recalls. That ad hoc assembly in the antechamber led to a discussion about innovative avenues to solving the engineering problems perplexing Reddi at the time. And later, it paved the way for a series of rich collaborations between Reddi and the visiting Korean engineer, resulting in multiple co-authored grants.

Reddi, now the dean of the graduate school at Florida International University, realized early on that “hundreds of opportunities that could connect my research to other areas” would have been lost if he had been only focused on his own day-to-day activities as a researcher and not on also keeping his eyes open to new opportunities. “It takes a new paradigm to cultivate this type of thinking,” he admits. “Now I tell my students: don’t think it’s a time-intensive process—change your thinking about where the research opportunities are.”

Keeping your options open to game-changers, whether they are opportunities to apply for fellowships, serve on committees, referee a journal paper, or just talk to someone in or out of your area of expertise, is a necessity if you want to advance in science. “The number one job of a postdoc is not to be a postdoc anymore,” says Matthew Wund, assistant professor of biology at the College of New Jersey. And the output one generates from all the tasks required of a postdoc—research, publishing, and presenting at conferences—is only part of the equation that gets one ahead. It is “really stressful” to say no to any opportunity, whether it is as overtly concrete as a job offer to something more amorphous like engaging a visiting scholar, he concedes. “Who knows whether that conversation in a hallway could lead to a job?”

But how do you find balance? “The scariest thing about the postdoc is that you have to do all the work and get a job,” concedes Prosanta Chakrabarty, assistant professor of biology and curator of ichthyology at Louisiana State University (LSU). And how do you know which opportunities to pursue and which to let go? At Argonne National Laboratory, which hosts 320 postdocs, “we try to emphasize that part of their job here is to get a job,” says continued>

Upcoming Features

Regional Focus: Germany—March 22
Cancer Research Careers: Academia vs. Industry—March 29
Biotech and Pharma: Forging Academic Collaborations—April 12
Accelerate your impact
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In the Emerging Leaders in Science (ELS) rotational program, you’ll be immersed in a comprehensive, cross-functional experience with a world leader in agricultural biotechnology. You’ll work with and be mentored by some of Monsanto’s most talented scientific leaders – and emerge prepared to lead the way to agricultural innovation.

Monsanto’s Emerging Leaders in Science (ELS) rotational program allows you to apply your research and leadership experience across our Global Technology (R&D) organization. The program consists of three, one-year rotational assignments within your selected strategic scientific focus area. Following successful completion of the three-year program, you’ll be placed in a key role within Monsanto’s Technology Organization.

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Kristene Henne, postdoctoral programs coordinator. So pursuing other opportunities to progress is something that is promoted and encouraged. “Certain collaborative opportunities, even in the next lab, people might not be aware of without having conversations,” she stresses.

But whether you consider opportunities before, during, or even after the postdoc, a strategic approach to selecting opportunities still needs to be part of your career planning process. “It’s never too late to think about and explore options that may make you really happy and excited to come into work every day,” says Melanie Sinche, director of the Faculty of Arts and Sciences Office of Postdoctoral Affairs at Harvard University.

Metrics for Opportunity Selection
Selecting opportunities doesn’t have to be as rigorous a process as science itself, but it should involve proper planning, self-assessment, and awareness of available and needed resources, like money or time. Christina Ragan, a postdoc at Michigan State University, bases some of her strategy for choosing opportunities on how time-intensive they are. When she first began her appointment, she erroneously believed that she had lots of extra time because she wasn’t taking any classes or teaching, so she sought out myriad outside opportunities to volunteer and network. “But that time gets sucked up so quickly,” she says with a laugh.

She realized that she needed to adjust her schedule considerably based on her immediate needs and responsibilities to conduct research and publish. As a result, Ragan now commits herself to only one outreach activity a semester, and has cut back on active networking for now as well. “As my career progresses, a different amount of time will be spent on different priorities,” she says.

For any opportunity, Eric Brown, deputy group leader in the Physics Division of Los Alamos National Laboratory, advises weighing “the potential return on investment (ROI) versus the time you would put in and whether you’ve done something that can achieve this goal in a different way.” An example of a respectable investment of time would be while you are at a conference, attend meet-and-greets with senior members of the professional society. “You’re already there, so it’s good ROI,” he concludes.

Opportunities on your own campus can also deliver great ROI. “Often people don’t take advantage of or understand that there’s a wealth of information at your university, and people really do want to see you succeed,” says Cheryl B. Schrader, chancellor of Missouri University of Science and Technology. For example, there are numerous professional development training resources for tenure-track faculty at universities that can often be shared by postdocs. Lorraine Tracey realized the potential goldmine of internal advancement resources while a postdoc at St. Jude Children’s Research Hospital. In pursuit of a career as a medical science liaison for a pharmaceutical company, she sought out the chance to participate in clinical shadowing and conduct lab tours to learn and practice coveted skills like communication, time management, and relationship building, and to gain a better understanding of clinical practice. To optimize her time, Tracey stayed within the borders of the institution.

But “thinking local” should be only one metric for choosing opportunities. Doing a thorough self-assessment and understanding your career aspirations and the steps to achieving these objectives is also a key component to prioritizing, says Nadia Stegeman, an NIH-funded postdoc at Oregon State University.

“Know the skills that help you answer the interesting research questions. Have your top priorities in mind and seek to maximize learning opportunities. Everything else is details.”

— Nadia Stegeman

Keep Up Your Output
Of course as you hunt opportunities, you have to make certain you are still doing what is anticipated of you by your boss. “It’s so easy to get bogged down in opportunities and think you have to respond to everything,” notes Brown. “Nothing can derail a postdoc faster than if they follow every opportunity out there at the expense of what they need to do in their research.”

“If you’re up front with your advisor about what they expect and the mechanisms you should use to meet those expectations,” says Stegeman. By clarifying your promises, you also reduce restrictions on tracking other opportunities, she continues. A carefully worded discussion with your PI can articulate the message/request that if you meet certain expectations, then the rest of your time can be spent on other activities to move your career forward. “If you don’t communicate your goals and your desired skill set, your advisor will never know and you both will suffer from this lack of communication,” she warns.

Having a tool handy, like “My Individual Development Plan” (MY-IDP.sciencecareers.org), through which you have solidified and organized your goals and needs, can be especially helpful when having that conversation with your advisor, notes Tracey, chair of the board of the National Postdoctoral Association. For example, if you desire the chance to chat with other scientists who are not in your immediate discipline, if it is on your plan, “it could be eye-opening to your PI,” she says. The ability for your manager to see essentially in black and white how these discussions will serve you (and perhaps even them as well), “can make your time in the lab more flexible to pursue these other opportunities.”

In fact, the more you can illuminate how your investment in pursuing a particular opportunity can provide hard benefits to your advisor, the more you may end up with time and other resources to explore them. This can even be a metric for determining whether you should investigate an opportunity in the first place. “Demonstrate that it’s a win-win,” encourages Schrader. continued>
SESYNC (säh-sink) is dedicated to fostering synthesis that brings together diverse forms of knowledge from the natural and social sciences to generate insights into the behavior and management of interlinked systems of people and nature.

Postdoctoral Fellowship Program
Applications due May 1, 2013
Please visit: http://www.sesync.org/postdoctoral-fellows-program for further details

The National Socio-Environmental Synthesis Center (SESYNC), located in Annapolis, Maryland, invites applications for 2 year postdoctoral fellowships that begin September 2013. Fellows will undertake independent social, environmental, or cyber-infrastructure synthesis projects that are consistent with the mission of SESYNC. In addition to leading independent synthesis research, SESYNC fellows spend part of their time (~30%) on collaborative center activities. We seek a diverse group of postdoctoral fellows with PhDs in social, natural, and computational sciences.

The University of Maryland is an Equal Opportunity Employer: Minorities and Women Are Encouraged to Apply.

POSTDOCTORAL CANDIDATES
The National Renewable Energy Laboratory (NREL) Chemical and Materials Science Center (5900) seeks highly qualified postdoctoral candidates in the areas of chemical and nanoscale sciences, experimental materials science, and theoretical materials science.

Through fundamental and applied research, the Center provides scientific understanding, discovery, and innovative solutions for energy conversion, storage, and utilization including solar electricity and fuels, advanced batteries, fuel cells, solid-state lighting, smart windows, and energy efficiency.

Interested applicants can find additional information and apply for Requisition #2978 or search other openings at www.nrel.gov/employment.

NREL is an equal employment opportunity employer.

POSTDOCTORAL TRAINING OPPORTUNITIES
www.med.umich.edu/postdoc

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

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

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

One way to explore these programs is to attend the Postdoc Preview on U-M’s campus on June 27-27, 2013. The Preview weekend will introduce outstanding upper-level graduate students in the biomedical sciences to the breadth and excitement of postdoctoral research and training at Michigan.

Apply online by April 15, 2013 at www.med.umich.edu/postdoc/preview

The University of Michigan is an equal opportunity, affirmative action employer.
Are You Moving Forward?

It is critical to know that for every opportunity you explore, you are moving one step closer to your goal. But how do you quantify this? Reddi suggests that one litmus test is whether or not you are getting feedback from your activities. For example if you publish a paper, “are you getting reprint requests? Are you getting requests to share your research?” he asks. “If it is always one-way traffic, that’s assuredly not going to get you anywhere. The single most important factor is how well others are respecting your work, how well you are needed in the field, and how well you are known.”

“Every step of the way to becoming a star you have to have those publications,” confirms Chakrabarty. And yet, as you begin to have significant output, you also have to ensure that others know about it. “In grad school, I didn’t think strategically,” admits Wund. “I thought that if my research is cool, everybody else will think that too. I soon realized I had to develop soft skills.”

Networking and self-promotion are two of those essential skills that not only must be learned, but also must be pursued as opportunities of their own. Schrader argues that “raising the visibility of you and your group’s accomplishments” is paramount. “Establishing your uniqueness will move the whole group (and field) forward,” she says. One opportunity that affords you the chance to build your “brand,” or promise of value, in this regard is to volunteer to be a technical reviewer for conference papers or a journal. “If you do this type of professional activity, you can very quickly become recognized as an expert. Establishing your technical expertise in a particular niche is very important early on.”

But be strategic about your networking endeavors in particular, cautions both Schrader and Chakrabarty. “The postdoc is a short time frame,” says Schrader. Prioritize your networking actions by looking for (1) leaders who are most directly related to your area of expertise, (2) institutions that have the best fit for the careers you want to pursue, or (3) support groups that will give you the help you need to succeed, she advises. Mentors also play a key role in helping postdocs assess the value of certain opportunities.

If You Think They are Slipping Away…

The postdoc experience is a roller coaster. “You’re going to be down at some point and you’re going to be ecstatic at some point, and that’s the nature of science,” says Chakrabarty. “No one’s going to pat you on the back. No one’s going to tell you you’re doing a good job. You have to figure it out yourself. The mistake people make is thinking that these opportunities happen on their own.”

But don’t think that just because you decline something now, that the chance is necessarily gone for good. “Some opportunities I have said no to, and they have come back and I was able to add more value the second time around,” says Brown.

Tracey acknowledges that the fear of opportunities slipping away can consume postdocs, and she always seeks to bring her own career development decisions back to her plan. It’s a way to parse opportunities, she suggests. “Try to understand what you want out of your career and where you want to be in 10–20 years.”

On the other hand, not all undertakings will bring you directly to your career goal, and that’s OK. “Many activities may lead to new opportunities that will open up and more collaborative opportunities,” says Martin Prechtl, a chemist with the University of Cologne, in Cologne, Germany. Although he jokingly admits, “Sometimes it’s like a miracle to find the right job in academia because often it is difficult to predict where new positions will open in the near future.”

Indeed, Reddi emphasizes that you must incorporate a mindset of making connections and looking for opportunities, even if they don’t seem to be leading to something very specific. The mere act of attending a talk “outside of your comfort zone,” he says, helps to “cultivate this type of thinking, an attitude of connecting” with others which will bring its own rewards. And to those who express concern about not having enough time, the engineer offers this wisdom: “It doesn’t take much time to light a candle. But after you light a candle, you can see everything in the room and how everything has its place among others.”

Alaina G. Levine is a science writer and science careers consultant/speaker in Tucson, AZ.

DOI: 10.1126/science.opms.r1300129
Are you a top-level Scientific Researcher or Scientific Administrator seeking a career at one of the preeminent biomedical research institutes in the nation and the world? This position offers a unique and exciting opportunity for a leader to develop and implement initiatives enhancing diversity and promoting equity in the biomedical research enterprise, including NIH and other health and medical research entities. This position is expected, through the development of new programs, policies and practices and through cultural change, and shared responsibilities, to positively impact both the government and nongovernment workforces. The Chief Officer for Scientific Workforce Diversity serves as a member of the NIH Director’s senior leadership team and will also serve as the co-chair to two newly formed Committees.

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The successful candidate for this position will be appointed at a salary commensurate with experience and accomplishments, and full Federal benefits, including leave, health and life insurance, retirement and savings plan (401K equivalent) will be provided.

If you are ready for an exciting leadership opportunity, please see the detailed vacancy announcement at http://www.jobs.nih.gov/vacancies/executive.htm. Applications are due by 11:59 p.m. on Tuesday, April 30, 2013. Please contact Lynnita Jacobs at 301-402-4077 for questions and/or additional information.

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POSTDOCTORAL SCHOLAR

POSITION OPEN

School of Medicine
Department of Anatomy and Neurobiology
The University of California, Irvine

The laboratory of Dr. Xiangmin Xu at the University of California, Irvine (website: http://xulab.anat.ucl.edu/) is funded by NIH and private foundation grants. One or two postdoctoral positions are available for young scientists with experimental training in systems or cellular neuroscience. Projects are to investigate cortical circuit organization and function using combined approaches such as electrophysiology, laser scanning photostimulation, optical imaging, and genetically modified rabies tracing. Applicants should be motivated for academic excellence, and will pursue projects in a relatively independent manner. A Ph.D. is required. Salaries and compensation will be competitive and commensurate with experience and accomplishments. To apply, please contact:

Xiangmin Xu, Ph.D.
Assistant Professor
Department of Anatomy & Neurobiology
School of Medicine
University of California, Irvine
Irvine CA 92697-1275
Telephone: 949-824-0040 (office)
E-mail: xiangmin.xu@uci.edu

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POSTDOCTORAL/RESEARCH ASSOCIATE

POSITIONS in
Human and/or Mouse Immunology

Two postdoctoral positions are available to qualified applicants in the laboratory of Dr. Janko Nikolich-Zugich in the Department of Immunobiology, College of Medicine, University of Arizona. For description of laboratory interests and publications, see website: http://immunobiology.arizona.edu/faculty/janko-nikolich-zugich-md-ph-d.

Qualified applicants will investigate T cell function and homeostasis in health, viral diseases, vaccination, and aging in a human and/or mouse model. Positions are also available to candidates interested in the broader role of inflammation and immunity in aging. Cellular immunology training is essential for this position.

Research in the Department and the University is supported by state-of-the-art core facilities including animal housing, FACS, DNA, Microarrays, Proteomics, and Imaging. University of Arizona is amongst the top 20 public research and education universities, boasting excellent departments and Centers, lively campus culture and life, and a blossoming recreation center. It is located in sunny Tucson, a city with a vibrant multicultural population of approximately 900,000, a strong economy, and business opportunities. Tucson is surrounded by a majestic desert and mountains rising to more than 9,000 feet.

Interested individual should send inquiries/curriculum vitae and arrange for three letters of reference to be sent to:

Janko Nikolich-Zugich, M.D.-Ph.D.
Head, Department of Immunobiology
E-mail: nikolich@e-mail.arizona.edu

POSTDOCTORAL FELLOW

To Investigate Synthetic Design of HIV-1 Env Peptidomimetic Antagonists

A postdoctoral position is available, contingent on grant funding, for recent Ph.D. recipient with demonstrated experience in peptidomimetic synthesis and the interest both to synthesize next generation nanomolar inhibitors targeting Env gp120 and to collaborate with-in a multidisciplinary research group to elucidate mechanisms of antagonist action. Interested candidates should send (1) a cover letter describing relationship of their experience and career goals to the available position and to the group research program, (2) resume, and (3) three support letters to: Dr. Irwin Chaiken, Department of Biochemistry and Molecular Biology, Drexel University College of Medicine, 245 North 15th Street, M.S. 497, Philadelphia, PA 19102.

E-mail: ichaiken@drexelmed.edu; website: http://www.drexelmed.edu/chaikengroup.

POSTDOCTORAL ASSOCIATE

In Maize Epigenomics

The Ohio State University

A position is available for understanding the molecular mechanisms governing heritable epigenetic variation. The research involves transcriptional and epigenomic profiling of maize as well as mutant characterization and molecular cloning. A Ph.D. in molecular-oriented biology, genetics, or biochemistry is required. Experience with plants, molecular genetics and computational biology is desired.

Applicants should electronically send their curriculum vitae and statement of research interest to e-mail: hollick.3@osu.edu.

Contact: Dr. Jay Hollick, Department of Molecular Genetics, The Ohio State University, 500 Aronoff Laboratory, 318 W. 12th, Columbus, OH 43210.

An NIH-funded postdoctoral position is available in the Department of Pediatrics at Baylor College of Medicine to study the molecular mechanisms of lung injury and abnormal lung development and angiogenesis by oxygen in newborn rodent models and cell lines. The successful candidate will use transgenic and knockout mice, cell lines, and apply state of the art molecular and cell biology techniques such as cloning, electrophoretic mobility shift assays, plasmid isolation, real time RT-PCR, chromatin immunoprecipitation, transfections, Western blotting, microarrays, RNA-seq, etc. Knowledge and skills in molecular biology research and angiogenesis would be highly desirable. Please send curriculum vitae to Emily Pedraza via e-mail: emilyp@bcm.edu.

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Nontraditional Careers: Opportunities Away From the Bench Webinar

Want to learn more about exciting and rewarding careers outside of academic/industrial research? View a roundtable discussion that looks at the various career options open to scientists and strategies you can use to pursue a nonresearch career.
Regenerative Medicine Scientist

The Ontario Cancer Institute (OCI) at the Princess Margaret Cancer Center is seeking an outstanding stem cell scientist, whose research program will be focused on developing a regenerative strategy to repair normal tissue injury, secondary to therapeutic ionizing radiation. The OCI is the largest cancer research center in Canada, and amongst one of the largest in North America. The OCI is part of the Princess Margaret Cancer Center, which houses the largest single institution Radiation Medicine Program, consulting on >8000 new cancer patients, and delivering >10,000 courses of radiation treatments each year.

We are seeking candidates who have an outstanding research track record in stem cell biology, in areas of neural, lung, intestinal or salivary gland regeneration, along with an understanding of the effects of ionizing radiation on normal tissues. The successful applicant will be expected to lead a world-class research program focused on this specific topic, with an emphasis on potential applications into the clinic. The OCI encompasses a broad spectrum of fundamental to translational cancer research programs, with significant strengths in stem cell biology, signal transduction, immunology, proteomics, structural biology, nanotechnology, radiation biology, hypoxia, and medical imaging.

The successful candidate will be eligible for appointment at the appropriate level in the Department of Radiation Oncology, Medical Biophysics, or related departments at the University. The position is available immediately, but the search will remain open until the position is filled.

Interested candidates should send their CV, as well as a description of their research interests and program, highlighting leadership experience or potential to:

Dr. Benjamin G. Neel
Director, Ontario Cancer Institute
oci@uhnresearch.ca
Please use the subject line: Regenerative Medicine Scientist

Chair in Inflammation

The Ontario Cancer Institute (OCI) at Princess Margaret Cancer Centre and the Arthritis and Autoimmunity Research Centre (AARC) at the University Health Network in Toronto, invite highly productive individuals to apply for the position of Scotiabank Chair in Inflammation Research at either the Scientist or Senior Scientist level. Research interests focused on inflammation pertaining to tumor biology and/or autoimmunity are encouraged. Applicants must have an M.D. and/or Ph.D. degree(s) and a proven track record, as evidenced by a number of high impact publications. The successful candidate will be expected to establish an original, competitive and independently funded research program, and to have a commitment to education in immunology.

OCI is the largest centre for cancer research in Canada covering the full spectrum of applied and fundamental research. The AARC is the most comprehensive research centre for autoimmune diseases in Canada, combining clinical and applied studies with basic science research. The downtown location provides an extraordinarily rich scientific environment, adjacent to other major academic institutions including the University of Toronto St. George campus, the Toronto General Research Institute, the Hospital for Sick Children, the Samuel Lunenfeld Research Institute, the Toronto Western Research Institute, and the Ontario Institute for Cancer Research.

The successful applicant will receive full salary commensurate with the position and a generous start up package. Applicants will also be eligible for appointment at the Associate or Full Professor level in the Department of Immunology at the University of Toronto.

Interested candidates should send their CV and a 2 page description of research interests to:

Inflammation Chair Search Committee,
Ontario Cancer Institute
620 University Ave
Toronto ON M5G 2M9
cwells@uhnresearch.ca

The Ontario Cancer Institute is the Research Institute of Princess Margaret Hospital, which, along with the AARC, Toronto General Hospital, Toronto Western Hospital and Toronto Rehabilitation Institute are members of the University Health Network, an Equal Opportunity Employer.
Idaho State University seeks candidates for the position of Dean of the College of Science and Engineering. Idaho State University is a Carnegie-classified doctoral research high institution and attracts students from around the world to its Idaho campuses. The Dean is responsible for planning, budgeting, implementing, and evaluating its integrated programs of resident instruction, research, service and online educational programs. The College is comprised of the following departments: Biological Sciences, Chemistry, Computer Science, Geosciences, Mathematics, Physics, and a School of Engineering, which includes programs in Civil and Environmental Engineering, Electrical Engineering, Mechanical Engineering, Nuclear Engineering and Health Physics. The College of Science and Engineering is proud of its research that continues to expand through strong associations with research partners, both government and private sectors, and facilities that support multidisciplinary research. The College exemplifies the synergy that exists for collaboration between science and engineering.

Candidates should have a demonstrated competence in a field of study commonly included in a college of science and engineering with credentials and/or experience appropriate for a tenured appointment at the rank of professor in his or her discipline. Visionary leadership, creative response to opportunities, an understanding of the multiple missions and constituencies of the College, a commitment to diversity, and strong communication skills are selection criteria of great importance to the University. In addition, the successful candidate should have demonstrated record of accomplishment in fundraising. The candidate should have substantial familiarity with the philosophy and responsibilities of a research-oriented institution with current or recent academic leadership experience in a Carnegie research high or very high university. Prior experience in managing a complex organization with responsibility for personnel, planning, program development, and resource allocation is desired.

At the main campus in Pocatello, and at locations in Meridian, Idaho Falls and Twin Falls, ISU offers access to high-quality education in more than 280 programs. Almost 14,500 students attend ISU, receiving education and training in those programs. Idaho State University faculty and students are leading the way in cutting-edge research and innovative solutions in the areas of energy, health sciences, nuclear research, engineering, technology, and biological sciences. Idaho State University combines exceptional academics amidst the grand natural beauty of the West.

For a complete job description and application instructions, visit us at https://isujobs.net/

To learn more, visit aaas.org/plusyou/rwanda

The Institute Albert Bonnioni (IAB) [http://iab.ujf-grenoble.fr/fr/] seeks highly qualified applicants in the field of Cancer Translational Research for a three-year professor position, extendable to a permanent professor position at the University Joseph Fourier and the University Hospital of Grenoble. The ideal candidate will be a senior scientist, oncologist or biologist (MD and/or PhD) with highly recognized expertise in molecular biology applied to cancer. He/She will have an outstanding track record of publication in top-ranked journals. The conducted research should lead to innovative applied results by developing the synergy between the IAB and the Grenoble Institute of Cancer Research [http://girc.ujf-grenoble.fr/fr/teams] to exploit the full potential of the Grenoble site in clinical aspects, biology, chemistry, physics and numeric science under the frame of a cancer theragnosis project.

This Chair of Excellence financed by University Joseph Fourier, the University Hospital of Grenoble, the Cancéropôle Lyon Auvergne Rhône-Alpes (CLARA) and the « Collectivités Locales » offers an attractive salary, leading to a permanent position in the University and the Hospital, with associated human (PhD students, post doc positions) and technical resources allowing a high level cancer translational project to be set up rapidly. A proficient level in French language is required given the translational projects to be led.

Potential candidates should send a CV and a project proposal before March 29th 2013 (please download application: [http://iab.ujf-grenoble.fr/fr/]). Selected candidates will be interviewed by an international committee in May 2013.

For further information please contact: Christian Brambilla, Head of IAB: christian.brambilla@ujf-grenoble.fr

STEM CELL REGENERATIVE MEDICINE
FACULTY POSITIONS
Southwest National Primate Research Center (SNPRC)

The SNPRC at the Texas Biomedical Research Institute invites applications and nominations for two faculty positions in stem cell regenerative medicine. Applicants and nominees are expected to have an interest in, and preferably experience with, nonhuman primate models. Major strengths of the SNPRC are in genetics and genomics, metabolic disorders, and infectious diseases. Several primate models of human diseases developed at SNPRC are ideally suited for translational research on stem cell regenerative medicine. The SNPRC has an outstanding diversity of primate resources, including large colonies of baboons, rhesus monkeys, common marmosets, and chimpanzees.

The SNPRC has close associations with the University of Texas Health Science Center at San Antonio and the University of Texas at San Antonio, including opportunities for roles in graduate education. A critical mass of stem cell regenerative medicine researchers exists at those institutions, together with the developing stem cell regenerative medicine program at the SNPRC. The SNPRC has a strong tradition in postdoctoral training.

Rank and salary will be nationally competitive and commensurate with experience. The laboratories and offices of the successful candidates will be located in the new SNPRC laboratory and administration facility, which is now under construction and expected to be ready for occupancy in March, 2014. The positions, as well as temporary laboratory and office space, are available immediately.

Applications and nominations should be sent to the Chair, SNPRC Regenerative Medicine Search Committee, c/o Human Resources Office, P.O. Box 760549, San Antonio, TX 78245-0549, and should include a letter outlining qualifications and research interests. Applications, but not nominations, must also include a CV, and the names and contact information for at least three references. Additional information about the SNPRC can be found at www.snpnc.org. Additional information about Texas Biomedical can be found at www.txbiomed.org.

EOE
Faculty Positions Available in Beihang University, China

Established in 1952, Beihang University is one of top research-oriented universities in China, focusing on fundamental cutting edge research and high-level education. One of the first universities funded by China’s “211” and “985” programs, it has seven national key laboratories and twenty-five provincial and ministerial key laboratories. Today, Beihang University is known for outstanding research and education in aviation and aerospace sciences, power and energy engineering, materials science, mechanics, information science, transportation science, instrumentation science, management science and law.

Beihang University is on a clear path to become a world-class university in many engineering and science disciplines. As part of Beihang’s further pursuit for excellence in research and education, we have expanded our global search for the best research talent to join our International Research Institute for Multidisciplinary Science (IRIMS). Five independent international research centers (IRC) were established recently under the name of IRIMS. As the core part of IRIMS, IRCs are devoted to establish a world-class, advanced and multidisciplinary research platform.

Beihang University invites applications for full-time Professors, Associate Professors and excellent scientists. Preference will be given to candidates whose research emphasis demonstrates the potential to complement and advance the IRIMS existing research strengths. Successful candidates will be provided competitive salaries and start-up funds.

Positions Available

- Position offered by the Recruitment Program of Global Experts (1000 Plan Professorship)
- Position offered by the Chang Jiang Scholars Program
- Position offered by the Recruitment Program of Global Young Experts (1000 Plan Professorship for Young Talents)
- Position offered by Beihang University’s Zhuyoue Program of Professors
- Position offered by Beihang University’s Zhuyoue Program of Associate Professors.

Interested individuals should send curriculum vitae by email to rscreb@buaa.edu.cn, with “Faculty Application” in the title. For more information, please visit the university’s Human Resource Department website http://rsc.buaa.edu.cn/, or contact us by email rscreb@buaa.edu.cn or by telephone 86-010-82317779.

Institute of Molecular Medicine (IMM)

Distinguished Professor/full professor/Associate Professor/ Lecturer Positions

Institute of Molecular Medicine (IMM) of Shenzhen University is seeking applicants for ten or more positions of distinguished/full professors, associate professors and lecturers with outstanding scholarly achievements and with research expertise in the areas of molecular biology, cell biology, cancer biology, medicinal chemistry and/or other related disciplines. Researchers with experience in cancer stem cell, second-generation sequencing, NK cells, epigenetics, high-throughput screening and/or other cutting edge technologies are welcome to apply. Salary and benefits are highly competitive and commensurate with accomplishments and experience.

IMM is a brand new, modern, research-oriented and well-equipped medical research institute resided in Shenzhen which is right next to Hong Kong and is one of the top cities of China. The mission of IMM is to identify drug targets and to develop cures for diseases. The director of IMM is a 2012 recipient of the national 1000-talents Program. For publications of the IMM director, please see [Cancer Cell 2010, 18(3):258-67; Nature Medicine 2006,12(1):128-32 and Nature 1998, 395(6703):713-6].

The applicants will be expected to maintain a vigorous research program and participate in teaching and service for IMM. The successful candidate will possess a PhD and/or MD degree and also is fluent in both English and Chinese. Applicants should submit (1) curriculum vitae, (2) a description of research accomplishments and (3) an email title with the position intended to apply electronically to jdlee@scripps.edu, jdleesz@ymail.com and jdlee@szu.edu.cn. Review of applications will begin immediately, and continue until the positions are filled. Details please see Job Ad in Shenzhen University Website (http://szhrs.szu.edu.cn/).
In vitro high throughput screening in drug discovery has typically been accomplished using reporter gene assays, which offer a versatile, cost-effective, and technically simple way to screen in high throughput, and are amenable to miniaturization. However, these assays are unsuitable for screening primary cells and cannot assess impact on endogenous gene expression. Real-time (quantitative) PCR (qPCR) can overcome these drawbacks and has widespread and proven use in gene expression analysis at both low and medium throughput. Until now, the application of qPCR in high throughput screening (HTS) has been limited by an often laborious multistep process to generate suitable template, and high reagent cost due to large reaction volumes. Recent advances in streamlining the qPCR workflow, liquid handling, and instrumentation have enabled scientists to generate sensitive and cost-effective high throughput qPCR data in drug discovery processes.

During the webinar the expert panel will:

- Discuss the pros and cons of qPCR vs. traditional reporter gene assays in HTS
- Describe the advances in technology that have enabled the application of qPCR in HTS
- Outline the necessary steps required for fully automated implementation of qPCR technology in HTS
- Answer your questions live during the broadcast.
The 2013 Martha T. Muse Prize for Science and Policy in Antarctica

The “Martha T. Muse Prize for Science and Policy in Antarctica” is a US$ 100,000 unrestricted award presented to an individual in the fields of Antarctic science or policy who has demonstrated potential for sustained and significant contributions that will enhance the understanding and/or preservation of Antarctica. The Prize is inspired by Martha T. Muse’s passion for Antarctica and is intended to be a legacy of the International Polar Year 2007-2008.

The prize-winner can be from any country and work in any field of Antarctic science or policy. The goal is to provide recognition of the important work being done by the individual and to call attention to the significance of understanding Antarctica in a time of change. A website with further details, including the process of nomination, closing date and selection of the Prize recipients is available at www.museprize.org.

The Prize is awarded by the Tinker Foundation and administered by the Scientific Committee on Antarctic Research (SCAR).

Nominations open until 23 May 2013

Faculty of Medicine

Two Positions as Professor in Medicine

- One 100 % permanent position as Professor in Medicine (Biochemistry/Molecular Biology).
- One 100 % temporary position as Professor in Medicine (Cell Biology) for five years with a possible extension.

The Norwegian University of Science and Technology (NTNU) in Trondheim represents academic eminence in technology and the natural sciences as well as in other academic disciplines ranging from the social sciences, the arts, medicine, architecture to fine art. Cross-disciplinary cooperation results in innovative breakthroughs and creative solutions with far-reaching social and economic impact.

Applications are to be submitted electronically via www.jobbnorge.no (ID.No. DMF 108-12 or DMF 17-13) within the deadline of 2013-04-30.
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Around the world, governments turn to AAAS as an objective, multidisciplinary scientific authority to educate public officials and judicial figures on today’s most pressing issues. And this is just one of the ways that AAAS is committed to advancing science to support a healthy and prosperous world. Join us. Together we can make a difference.

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AAAS is here – helping scientists achieve career success.

Every month, over 400,000 students and scientists visit ScienceCareers.org in search of the information, advice, and opportunities they need to take the next step in their careers.

A complete career resource, free to the public, Science Careers offers a suite of tools and services developed specifically for scientists. With hundreds of career development articles, webinars and downloadable booklets filled with practical advice, a community forum providing answers to career questions, and thousands of job listings in academia, government, and industry, Science Careers has helped countless individuals prepare themselves for successful careers.

As a AAAS member, your dues help AAAS make this service freely available to the scientific community. If you're not a member, join us. Together we can make a difference.

To learn more, visit aaas.org/plusyou/sciencecareers
AAAS is here – promoting universal science literacy.

In 1985, AAAS founded Project 2061 with the goal of helping all Americans become literate in science, mathematics, and technology. With its landmark publications *Science for All Americans* and *Benchmarks for Science Literacy*, Project 2061 set out recommendations for what all students should know and be able to do in science, mathematics, and technology by the time they graduate from high school. Today, many of the state standards in the United States have drawn their content from Project 2061.

Every day Project 2061 staff use their expertise as teachers, researchers, and scientists to evaluate textbooks and assessments, create conceptual strand maps for educators, produce groundbreaking research and innovative books, CD-ROMs, and professional development workshops for educators, all in the service of achieving our goal of universal science literacy.

As a AAAS member, your dues help support Project 2061 as it works to improve science education. If you are not yet a AAAS member, join us. Together we can make a difference.

To learn more, visit [aaas.org/plusyou/project2061](http://aaas.org/plusyou/project2061)