Stony Brook University

POSTDOCTORAL POSITIONS

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  Protein expression, purification, functional characterization, structural characterization
  Dr. Steven O. Smith, WC-R-7403-12-08-S

- **CHEMISTRY**
  Polymer synthesis, nanocomposites, ultrafiltration/nanofiltration/reverse osmosis
  Dr. Benjamin S. Hsiao, WC-R-7401-12-08-S

- **GEOSCIENCES**
  Infrared light scattering and mineral optical constant determination
  Dr. Timothy Glotch, WC-R-7412-12-08-S
  Martian surface geochemistry using planetary mission data and experiments
  Dr. Scott McLennan, WC-R-7413-12-08-S

- **MINERAL PHYSICS INSTITUTE**
  X-ray and neutron scattering from disordered-crystalline, amorphous, liquid and nano-materials
  Dr. John Parise, WC-R-7414-12-08-S

- **MOLECULAR GENETICS AND MICROBIOLOGY**
  Computational biology and molecular genetics of yeast cell division
  Dr. Bruce Futcher, HS-R-7405-12-08-S
  Yeast molecular genetics of cell cycle or meiosis
  Dr. Bruce Futcher, HS-R-7407-12-08-S
  Cancer cell stress response, autophagy, apoptosis and metabolism
  Dr. Wei-Xing Zong, HS-R-7409-12-08-S

- **NEUROBIOLOGY AND BEHAVIOR**
  Knowledge in neuroscience and electrophysiology, handling animal and data analysis techniques
  Dr. Alfredo Fontanini, WC-R-7402-12-08-S
  Electrophysiology, immunohistochemistry, confocal imaging
  Dr. Arianna Maftei, WC-R-7405-12-08-S

- **PHARMACOLOGICAL SCIENCES**
  Mechanistic and translational toxicology of the kidney
  Dr. Kathleen G. Dickman, HS-R-7410-12-08-S
  Cancer, lipid biology, diabetes, mitochondria and neuropharmacology
  Dr. Michael Frohman, HS-R-7411-12-08-S
  Toxicology, cancer, genetic association testing, mouse models
  Dr. Thomas Rosenquist, HS-R-7400-12-08-S
  Cell signaling and ciliogenesis in mammalian development, health and disease
  Dr. Ken-Ichi Takemaru, HS-R-7408-12-08-S

- **PHYSICS AND ASTRONOMY**
  Collaborate to explore synthesis with electronic calculations and advanced spectroscopic probes
  Dr. Meigan Aronson, WC-R-7399-12-08-S

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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 Síncrona, 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](http://www.fapesp.br/yia).

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

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

The Postdoc Experience:
High Expectations, Grounded In Reality

In today’s job market, even highly trained postdocs must overcome struggling economies, hiring freezes, and high unemployment rates. To be competitive, postdocs have to start planning for their next position on day one of their fellowship (or even sooner). Networking, staying flexible about career options, and gaining experience beyond the bench makes young scientists marketable. By Kendall Powell

It’s perhaps no surprise that amid downturned economies and shrinking numbers of traditional, tenure-track academic positions, postdoctoral fellows have become increasingly preoccupied with opportunities for career advancement. Every other year, Science Careers surveys several thousand current and former postdoctoral fellows mainly from the United States, Europe, and Asia about factors influencing their postdoctoral experience. This year, the 3,200 participants placed the category “Advancement Opportunities/Career Options” at the top of the list of factors deemed important for a successful postdoc, climbing steadily up from sixth place in 2008 (See chart on page 994 for survey results and methods).

Obsessing about advancement might seem like anxiety brought on by the toughest job market seen in the last half-century. But as survey participant Matthew Lane points out, it’s really what a postdoc is all about. “People will make it very clear that part of your job is publishing and doing research. But part of your job is getting another job,” says Lane, who successfully transitioned from a postdoc to a principle investigator at Sandia National Laboratories in Albuquerque, New Mexico.

Comparing the last three surveys polling postdoc researchers—those conducted in 2008, 2010, and 2012—reveals some other trends that reflect shaky job prospects. Right behind advancement, this year’s survey participants ranked “Funding/Grants” as the second most important ingredient for a successful experience. Alarmingply, unemployment after a postdoc rose sharply, from 4% and 2% in 2008 and 2010, to 10% in 2012—mirroring the current average unemployment rate in the European Union and slightly above that in the United States.

But the 2012 survey holds rosier news, too. Employment in so-called alternative careers doubled between 2010 and 2012 to 16%. And despite poorer prospects, the numbers of researchers who take multiple postdoctoral positions has not increased—nearly 60% of former postdocs polled held only one position and 30% held two, nearly identical to the results from the 2010 survey. Also, the length of a postdoc position has not stretched out, with a steady 60% of former postdocs surveyed still having spent between two to four years in their post. However, only 20% of former postdocs landed a tenure-track position in 2012. Here, several survey respondents who obtained academic positions share their strategies for success. Others reveal how they secured nontraditional posts—research or otherwise. And current fellows explain the preparations they’ve made to avoid the pitfalls of perpetual postdoctoring or unemployment later.

ADVANCEMENT ADVICE
Sixty-eight percent of respondents ranked the ‘advancement opportunities’ attribute as ‘very important’ in contributing to a successful postdoc experience. Another question asked participants to consider how their supervisor stacked up in that ‘advancement’ category, including whether the supervisors discuss future career options and allow postdocs to continue research projects in their next post. A mentor’s support proves crucial to moving on to a successful career whether it’s in academia, industry, a government lab, or science education.

THE EXPECTATION GAP
One of the most persistent trends over the last three postdoc surveys is the gap in the numbers of postdocs who expect to obtain tenure-track positions and the numbers who actually land those positions. Consistently, about 56% of current postdocs expect a tenure-track position. However, in reality, only 30% of former postdocs ended up as professors in 2008, 37% in 2010, and a mere 21% in 2012 (See chart on page 996).

The three surveys also reveal that postdocs on the job market prior to 2007 had higher success rates for obtaining tenure-track positions than those on the market in 2008 and later, indicating that such posts are becoming more scarce than ever before. At the beginning of this year, David Lodowski took up his post as an assistant professor in proteomics and bioinformatics at Case Western Reserve University in Cleveland, Ohio after six years as a postdoc there. He has frank advice: “You cannot delude yourself. You have to listen to your reality, only 30% of former postdocs ended up as professors in 2008, 37% in 2010, and a mere 21% in 2012 (See chart on page 996).

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—Lynn Adams

Melissa Snyder knew she wanted to do a postdoc, but she wasn’t sure how to translate that into being a career scientist. “I wanted a mentor who would teach me the process and get me involved in the department. He’s been really great in getting me to further my career,” she says of her postdoctoral advisor, Wen-Jun Gao of Drexel University College of Medicine in Philadelphia.

His encouragement for her to join in departmental committees and gatherings paid off when a professor at nearby Ursinus College came looking for someone to teach an undergraduate lab course. A faculty colleague who had worked with Snyder on a committee recommended her.

When choosing an advisor, she suggests inquiring “is this person going to be invested in you and help you get to the next step whatever your goal is?”

Snyder is also keeping her expectations realistic. “I see how difficult the funding situation is and how my boss is constantly worrying about money to maintain the lab. When you apply to positions there are 10 to 20 other people applying who are just as good as you are.”

Faculty: Balancing Academia and Entrepreneurship—September 14
Top Employers Survey—September 21 (online); October 19 (print)
China Regional Focus—September 28

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to consider the funnel effect that occurs. Make sure you are both willing and capable to accomplish the caliber of work as a postdoc [needed] to transition to a tenure-track position.”

Lodowski says his lengthier postdoc helped him publish several papers in medium- and high-impact journals. He also coordinated the writing of several large grant proposals within his department and collaborated with faculty who eventually hired him. Last, but certainly not least, Lodowski wrote and won a K99/R00 award, a grant that bridges the transition to a faculty position and, he says, “makes you a more attractive applicant.”

Postdocs should also carefully consider what the survey reveals about the differences between where postdocs are done and where the jobs are. In 2012, the overwhelming majority of postdoc fellowships, 80%, took place in academia. However, academic jobs, including both tenure-track and non-tenure-track positions, make up only 42% of jobs obtained by former postdocs. On the other hand, 16% of respondents secured industry-based jobs and 20% were in nontraditional positions or self-employed.

KEEPING AN OPEN MIND

Those numbers mean postdocs should start and end their fellowships with an open mind about career paths. Former postdocs who found permanent positions stress staying flexible about location, getting creative about the two-body problem (couples who need to find jobs in the same geographic location), and casting a wide application net. Some even found themselves applying for what might be called ‘nontraditional’ tenure-track positions.

When James Gardner and his wife Renee defended Doctorates in environmental science in 2008, they decided to boost their two-body chances by looking anywhere in the world, both inside and outside of academia.

“All I’ve always been open to other options. Whatever is rather fun and exciting is what I’m pursuing,” says Gardner. They found postdocs in Sweden at neighboring institutions. When a tenure-track job was advertised by the KTH Royal Institute of Technology in Stockholm in his field of dye-sensitized solar cells, it seemed fortuitous. But Gardner left nothing in his application to chance: he got letters of recommendation from the field experts in Sweden, he wrote his research proposal to match KTH’s stated objectives, and he sought feedback from colleagues.

“I took a really, really long time to write and tailor that application,” he says. He met with people at KTH and found out what they needed. His attention to detail paid off when he beat out two other applicants. “Find out exactly what they want and make yourself that person.”

Lane, who is also part of a two-body equation, offers similar advice: “Going on the job market starts the minute you start your postdoc. From the beginning, you should be behaving as though you already have the job you want.” For him, that meant writing funding proposals even when it wasn’t necessary and telling his mentor where he wanted to take projects next. After completing a postdoc at University of Oxford in plant sciences, Arantza Rico, returned to northeastern Spain. Limiting herself geographically meant Rico had to job search outside of the box. She took a lecturer, tenure-track position in the School of Education at the University of the Basque Country, also known as UPV/EHU. Her department sought an applicant with research experience to teach primary school teachers how to teach science. “This was a big change for me,” she admits. “When the opportunity came up, I didn’t know anything about research in education. But I can ask good questions.”

IT’S WHO YOU KNOW

Something equally crucial as keeping an open mind is keeping up a broad list of contacts. Personal connections parlayed into positions appear to be the norm in today’s market. Networking—through attending scientific meetings or meeting influential researchers—ranked third in contributing to a successful postdoc experience, with 63% of those surveyed designating it as ‘very important.’ In addition, when asked what they liked best about their postdoc experience, 37% respondents cited “interacting with other people.” This represents an increased focus on interactions when compared with prior surveys.

These trends reflect the uptick in the use of online professional networking in recent years. But it’s still old-fashioned face-to-face interactions that have most helped postdocs garner valuable experiences and interviews. When Susannah Gordon-Messer wanted to switch from research to K-12 science education, her doctoral co-supervisors at Brandeis University were supportive, but could not connect her to that world.

“I sought help from anybody who would listen to me. I networked, and I had one giant piece of help,” she says. Nobel Laureate Elizabeth Blackburn introduced Gordon-Messer (Blackburn’s cat-sitter) to a well-known name in science education, Emeritus Biochemist Bruce Alberts at the University of California, San Francisco and current editor-in-chief of Science Magazine. He eventually connected her to the Strategic Education Research Partnership in Boston, where she did a nontraditional postdoctoral fellowship.

Marisha Godek’s connections to her doctoral advisor continued>
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POSTDOCTORAL OPPORTUNITIES

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POSTDOCTORAL ASSOCIATES

The Duke Human Vaccine Institute and the Center for HIV/AIDS Vaccine Immunology and Immunogen Discovery (CHAVI-ID), providing national and international leadership in the fight against major infectious diseases, is currently recruiting for Postdoctoral Associates.

Duke University and the Duke Human Vaccine Institute, under the direction of Dr. Barton Haynes, have been awarded a new grant, the Duke Center for HIV/AIDS Vaccine Immunology-Immunogen Discovery grant, to overcome roadblocks that hinder the development of a vaccine for HIV, and to design and develop immunogens for a successful vaccine. As a result of this seven year, $139-million grant, the Duke Human Vaccine Institute is currently recruiting for postdoctoral associates to participate in this work.

Projects will include study of the B cell response to HIV envelope proteins in non-human primates and in human vaccinees, study of B cell regulation in humanized mice, study of B cell development in rhesus macaques and humans, and studies of the role of factors that regulate T follicular helper cell generation by immunogens. In addition, the regulation of somatic hypermutation and class switching of immunoglobulins will be of prime interest.

The education, expertise, initiative and dedication of the postdoctoral associates engaged in this project will be important to the success of the studies. This fellowship will be an opportunity to become part of a winning team that is working to discover novel ways to prevent HIV infection and, therefore, protect people worldwide. Qualified candidates must have a Ph.D. in virology, immunology, molecular biology, computational biology or related disciplines.

Candidates should send a cover letter and current curriculum vitae to:

Duke Human Vaccine Institute
Email: dhvi.careers@notes.duke.edu
(Please reference “PD-DHVI” in subject line of email)

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CHAVI-ID
Duke Center for HIV/AIDS Vaccine Immunology and Immunogen Discovery
and other colleagues in the field of bioengineering were key to her finding an industry position at a global medical device company. She attended small, elite gatherings such as Gordon Research Conferences to gain face time and build a rapport with influential scientists. Many of them consulted for the companies where Godek wanted to work. “I made people aware that I was looking for an industrial job. When something came up, here’s the person handing them my CV,” says Godek, now a principle scientist focused on surgical devices. “To me, that’s the ideal way into a company.”

Maintaining connections to scientists in a postdoc’s desired field is key—especially when it comes to managing the unthinkable bump in the road, unemployment. “Do not stop networking, even if it seems very discouraging. Let all of your contacts know that you are looking for a job and ask them to keep an eye out,” advises Cathee Johnson Phillips, executive director of the National Postdoctoral Association in Washington, DC.

MANAGING THE WORST CASE SCENARIO
Johnson Phillips says unemployment is a new issue. Indeed, the number of former postdocs categorizing themselves as unemployed jumped from 2% in 2010 to 10% in 2012. While not all of those postdocs are truly unemployed—some are working in non-science jobs—the number of highly trained scientists out of work remains significant.

Former postdoc, Klaus Becker blames a lack of networking support from his former advisor—namely not being permitted to attend scientific conferences—for his unemployment in science. His postdoc characterizing human embryonic stem cells resulted in seven papers and a contract position at the Center for Cancer Systems Biology at Tufts University School of Medicine in 2009. When a dispute over data led to a layoff, Becker found himself drawing unemployment checks.

“You have to have a network of people who know you and know what you do. I neglected to look out for myself [as a postdoc] and now I’m paying the price,” says Becker. Ironically, while supporting himself as a church musical director and classical pianist, he’s learned the value of networking; “I must add five new contacts a week now, swapping gigs. The same is important in the sciences, you cannot work alone.” Becker is retraining, taking some courses in advanced mathematics, in hopes of setting up a data analysis consulting business.

Postdocs facing unemployment can take many tacks: volunteer with a nonprofit, serve as an adjunct professor, or freelance as a writer or consultant. They should also consider attending conferences via webcasts, doing non-science work to gain management experience, or picking up new degrees such as an MBA or teaching certificate. Johnson Phillips advises pursuing activities that will build a postdoc’s resume in the desired area, be that teaching, industry, research, or an alternative career.

MAINSTREAMING ‘ALTERNATIVE’ CAREERS
If the jump in unemployed postdocs is dismaying, there’s hope in the numbers finding positions in ‘alternative’ careers. Nontraditional positions have doubled in each of the last two surveys, from 4% in 2008 to 8% in 2010 and to 16% in 2012. It’s doubtful the doubling will continue, but this sector could easily account for 20% of post-postdoctoral jobs soon.

“Get ready to define your own job and your own job description,” says Gordon-Messer, now an education content manager at MIT’s Education Arcade project. She networked with people who had successfully left the bench behind at a conference. She also applied to every job posting she saw, discovering ‘dream’ jobs she never knew existed. “I had to learn how to be a spin doctor. I sold myself as a project manager, a mentor, a developer. You really have to keep an open mind,” about positions, locales, and pay, she says.

Lynn Adams knew she had to seek alternatives when she found a perfect-fit principle investigator position in her field—and couldn’t bring herself to apply. Instead, when she learned about the AAAS Science and Technology Policy Fellowships, she realized her background in cancer research could be put to use in another direction. She’s currently a fellow at the U.S. Environmental Protection Agency in Washington, DC, helping assess hazards posed by carcinogenic chemicals.

She wishes she’d had earlier exposure to “these other things you can do with this degree.” Like many, she relied on networking and her own digging to find other options. “Informational interviews were an amazing way for me to learn what was out there. Just get out there and listen to your heart.”

Gardner likens the postdoctoral career path to the unexpected twists and turns research can take. “Research is all about going into a situation and not necessarily having a good feeling about the outcome. You have to be open to all the options and be willing to dramatically change direction.” And while serendipity always has a part to play, he advises current postdocs to make careful preparations for that instant “when you turn the corner and realize you are in the right moment.”

Kendall Powell is a freelance science writer based in Lafayette, Colorado.

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GRANTS

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UCLA

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Job Announcement
University of California Los Angeles

The Division of Life Sciences in the UCLA College of Letters and Sciences announces the continuation of its special initiative to recruit excellent research scientists with a history and commitment to the mentorship of students from underrepresented and underserved populations. Candidates should have outstanding records of scholarly publications, research support, and teaching and be eligible for Academic Senate appointment in any of our departments of Life Sciences (www.lifesciences.ucla.edu), including psychology. The successful candidate will be expected to mentor undergraduates and to participate in campus-wide and departmental programs that provide research and professional development opportunities for our diverse student body, including MARC, (Minority Access to Research Careers), PEERS (Program for Excellence in Education & Research in Sciences), and the Biomedical Research Minor. Teaching assignments will take into account mentorship activities associated with the position. Faculty appointment will be made at a professorial rank commensurate with current academic standing and achievement. UCLA offers competitive salaries, research set-up funds, and recruitment allowances.

Nominations and questions should be sent to: Professor Paul Barber (paulbarber@ucla.edu) or Professor Anna Lau (alau@psych.ucla.edu). Application packages should be submitted online through [www.ipb.ucla.edu/mentorship] and include the following: (1) curriculum vitae; (2) statement of research interests; (3) statement of teaching interests that includes information on formal and informal mentorship activities targeting underrepresented and underserved populations; and (4) cover letter that includes names of referees that can be contacted for letters. Review of applications will begin on 1 November 2012, and continue until positions are filled. Please use position number 0845-1213-01 in all correspondence.

UCLA is California’s largest university, with an enrollment of nearly 38,000 undergraduate and graduate students. The UCLA College of Letters and Science and the university’s 11 professional schools feature renowned faculty and offer more than 323 degree programs and majors. The Biosciences area at UCLA has more than 300 faculty members, includes many top ten ranked departments, and is consistently in the top ten in NIH funding. The UCLA College has a tradition of outstanding teaching and mentorship of undergraduates that the Division of Life Sciences will enhance through this special initiative. As a campus with a diverse student body, we encourage applications from women, minorities, and individuals with a history of mentoring underrepresented minorities in the sciences.

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Duke University Medical Center

Faculty Position in Metabolic Disease and Cancer Research

Applications are invited to apply for a faculty position in cancer metabolism and metabolic disease research at Duke University Medical Center, sponsored jointly by the Duke Cancer Institute (DCI), the Sarah W. Stedman Nutrition and Metabolism Center, the Pharmacology and Cancer Biology Department, and the Department of Medicine. Applications will be considered at either the Assistant Professor or Associate Professor levels. The ideal candidate will have strong training in basic sciences and a demonstrated interest in metabolic mechanisms of cancer or chronic diseases and conditions, such as obesity, diabetes, or cardiovascular disease. Although candidates with expertise in any area of cancer metabolism research will be considered, preference will be given to candidates with experience in analysis of metabolic flux using NMR or mass spectrometry. This position offers a unique opportunity to be supported by outstanding technology platforms and strong faculty colleagues from both the clinical and basic sciences, including opportunities for collaboration with leading clinical investigators. Minimal qualifications for the position are the M.D. or Ph.D. degree and 3 years of postdoctoral research experience.

Please submit curriculum vitae, names and contact information for three references, and a statement of research interests electronically to kristy.thompson@duke.edu.

Duke University is an Affirmative Action and Equal Opportunity Employer: Women and minorities are encouraged to apply.

NYU Langone Medical Center

Faculty Director, NYU Langone Medical Center Genome Technology Center

The NYULMC Office of Collaborative Science is seeking a Director for the Genome Technology Center (GTC), a shared resource core laboratory providing access to highly specialized technology and unique expertise in support of human genetics/genomics, gene expression profiling, and other high throughput genomic and computational analyses. The appointment will be made at the Assistant/Associate/Full Professor level in the Department of Pathology, commensurate with experience, and will join the Office of Collaborative Science established by Associate Dean David Levy, PhD. The Director will lead a team of six scientists with responsibility for the efficient operation of the GTC, adapting cutting edge technologies for massively parallel DNA sequencing, gene expression profiling, and other applications in support of human molecular genomics and genetics research and associated informatics. The GTC is one of fourteen core resource laboratories within the Office of Collaborative Science dedicated to providing university-wide access to technology and expertise in support of basic and translational research projects.

The successful candidate will have an in-depth knowledge of genomic and genetic methodologies and complementary technologies, and a thorough understanding of genomic informatics. S/He will be responsible for providing the most advanced technologies for genome analyses and will work as a critical member of multidisciplinary project teams in support of basic and translational research projects. In addition to assisting researchers with experimental design, planning, and execution of research projects, responsibilities include staff and workflow management, informatics data analysis, developing research collaborations and writing grant proposals and manuscripts. The Director will also develop, evaluate, validate, and deploy novel technologies in the genetics and genomics research space as they become available. A unique aspect of this position is the opportunity to work in close collaboration with the newly founded New York Genome Center (NYGC), a multi-institutional research institute of which NYU is a founding member. The GTC Director will facilitate collaborative projects and information exchange between campus research programs and the NYGC.

Qualified candidates will have a Ph.D. in molecular biology, nucleic acid biochemistry, genetics/genomics, bioinformatics or a related field, with at least five years experience in human genetics/genomics. Special attention will be given to candidates with management experience and/or a record of achievement in collaborative and service-oriented environments. Interested candidates and nominations should forward their CV, research interests and experience, and the names and contact information for three professional references electronically to: Andrea Ohlsson, Administrative Associate, NYULMC Office of Collaborative Science, 212.263.3494, andrea.ohlsson@nyumc.org

The NYU School of Medicine was founded in 1841 and is an equal opportunity, affirmative action employer and provides a drug free workplace.
The Division of Intramural Research (DIR) of the National Institute on Minority Health and Health Disparities (NIMHD) is seeking an exceptional candidate for the position of Deputy Scientific Director/Senior Investigator to provide leadership and support as an active partner with the Scientific Director in leading the research program. The inter-multidisciplinary intramural research program under development has three pillars: basic, clinical/translational and basic behavioral/social research. This position offers a unique and exciting opportunity for the right individual to share responsibility in providing visionary leadership to an organization dedicated to developing the science that will lead to the elimination of health disparities. A candidate is sought who has a broad view of research and the personality to build partnerships with intramural and extramural scientific communities. The incumbent will serve as the liaison between the DIR and the NIMHD Board of Scientific Counselors (BSC) with full oversight responsibilities for the entire BSC process. The incumbent will also build trans-NIH scientific and clinical collaborations and participate in trans-NIH initiatives. The successful candidate will also be provided independent resources to develop his/her own research program as and will be eligible for tenure as a senior investigator within DIR, NIMHD.

**QUALIFICATIONS:** Applicants must have an M.D., Ph.D., or both as well as an active, top-quality independent research program in one or more scientific areas, related to the above mentioned DIR areas of interest. The candidate shall have administrative experience running a complex research program. The candidate should be a strong communicator with the ability to work collaboratively to solve problems and to make informed decisions.

**SALARY/BENEFITS:** The Deputy Scientific Director, NIMHD will be appointed at a salary commensurate with his/her qualifications and experience. Full Federal benefits, including leave, health and life insurance, retirement and savings plan (401K equivalent) will be provided. This position is subject to public financial disclosure requirements.

**HOW TO APPLY:** Interested candidates should send a letter of interest, including a statement of research and administrative experience; curriculum vitae and bibliography; statement of research interests, and three letters of reference. Application packages should be sent to the National Institutes of Health (NIH), National Institute on Minority Health and Health Disparities, c/o John O’Shea, Ph.D., Chair, Search Committee, 6707 Democracy Blvd., Suite 800, Bethesda, Maryland 20892 or electronically: nimhdirp@mail.nih.gov; Subject Line: NIMHD Deputy Scientific Director Search. For further information about the position, please contact Ms. Keta Lawson at 301-496-1366 or nimhdirp@mail.nih.gov. All information provided by the candidates will remain confidential and will not be released outside the NIMHD search process without a signed release from candidate. The NIH encourages the application and nomination of qualified women, minorities and individuals with disabilities.

**APPLICATION MUST BE RECEIVED BY FRIDAY, OCTOBER 5, 2012**

DHHS and NIH are Equal Opportunity Employers
Professors/Associate Professors/Assistant Professor/Post-doctoral Positions

The Department of Biology at Tufts University invites applications for a tenure-track Assistant Professor in Microbiology. We seek a creative scholar with primary expertise in comparative or functional genomics, ecology of microbial populations, or genome evolution of microbial communities. Someone with the ability to work on multiple biological scales, ranging from the molecular to the community, is preferred. The successful candidate will use modern research techniques of computational genomics to address fundamental questions in evolution and ecology. The candidate will develop an active externally funded research program involving graduate and undergraduate students. Instructional duties will include an undergraduate microbiology course and an associated microbiology laboratory course, as well as contributions to other undergraduate or graduate courses based on the expertise and interests of the new faculty member. A clear commitment to teaching excellence at the undergraduate and graduate levels is essential. Doctoral degree, post-doctoral experience and a record of research productivity are required.

Applicants should submit a cover letter, curriculum vitae, separate statements of (1) research interests and plans and (2) teaching experience and philosophy and three letters of reference to this link: https://academicjobsonline.org/ajo/jobs/1719. Submission of 1-3 select reprints in PDF format is encouraged. Review of applications begins October 15, 2012, and continues until the position is filled.

Tufts University is an Affirmative Action/Equal Opportunity employer. We are committed to increasing the diversity of our faculty. Members of underrepresented groups are strongly encouraged to apply.

The Department of Biology at Tufts University invites applications for a tenure-track Assistant Professor in Microbiology. We seek a creative scholar with primary expertise in comparative or functional genomics, ecology of microbial populations, or genome evolution of microbial communities. Someone with the ability to work on multiple biological scales, ranging from the molecular to the community, is preferred. The successful candidate will use modern research techniques of computational genomics to address fundamental questions in evolution and ecology. The candidate will develop an active externally funded research program involving graduate and undergraduate students. Instructional duties will include an undergraduate microbiology course and an associated microbiology laboratory course, as well as contributions to other undergraduate or graduate courses based on the expertise and interests of the new faculty member. A clear commitment to teaching excellence at the undergraduate and graduate levels is essential. Doctoral degree, post-doctoral experience and a record of research productivity are required.

Applicants should submit a cover letter, curriculum vitae, separate statements of (1) research interests and plans and (2) teaching experience and philosophy and three letters of reference to this link: https://academicjobsonline.org/ajo/jobs/1719. Submission of 1-3 select reprints in PDF format is encouraged. Review of applications begins October 15, 2012, and continues until the position is filled.

Tufts University is an Affirmative Action/Equal Opportunity employer. We are committed to increasing the diversity of our faculty. Members of underrepresented groups are strongly encouraged to apply.

The newly created Center of Excellence in Cancer Research at the Paul L. Foster School of Medicine at El Paso is seeking highly qualified applicants for tenure-track faculty positions at the Assistant or Associate Professor level in the Department of Biomedical Sciences. Successful candidates are expected to develop an independently funded research program in cancer research or a related field. The positions report to the Director of Basic Science Research of the Center of Excellence in Cancer Research.

Minimum qualifications: M.D., Ph.D., or M.D./Ph.D. degree in a field related to cancer, three years of postdoctoral experience, and a strong publication record.

Preferred qualifications: Candidates with experience in cancer research, experience using the latest technologies and funded grant support. (Only candidates with funded grant support will be considered for Associate Professor Rank.)

A competitive salary, startup package, and comprehensive benefits are available. Interested candidates must apply online at website: http://jobs.texastech.edu, requisition #80343-Assistant Professor and #81927-Associate Professor.

For further information applicants may inquire confidentially to: Rajkumar Lakshmanaswamy Ph.D., e-mail: rajkumar.lakshmanaswamy@ttuhsc.edu, Director of Basic Science Research for the Center of Excellence in Cancer Research. The position is open until filled. Application review will begin immediately.

Texas Tech University Health Sciences Center is an Equal Opportunity/Affirmative Action Employer.
A lot has happened since you’ve been away. Your mother turned 70. Your sister graduated from college. Your nephew took his first steps. Your China has transformed from a third-world country to a world-class economy. And Life Technologies, the world’s most innovative biotechnology company, formed from the merger of Applied Biosystems and Invitrogen, is growing fast in China. So now there’s no reason to keep missing out on the chance to be closer to your family and to be part of a team that makes science easier and life better everyday.

For more information, go to lifetechnologies.com/careers
The University of Texas at Austin seeks an Administrative Manager for its Cell and Molecular Biology (CMB) Ph.D. Program. The CMB Ph.D. Program recruits ~25 students annually and encompasses ~120 training faculty distributed over numerous departments on campus. We are seeking a M.S. or Ph.D. level Manager of the Program. The Manager will be responsible for collecting student and faculty data, and building an on-line repository of these data for use in preparing NIH and NSF training grant applications. The Manager will work with CMB faculty in writing and assembling NIH and NSF training grant applications. The Manager will also provide oversight of daily operations and staff for the CMB graduate program. Applicants should have an advanced degree in Cell and Molecular Biology or a closely related field, excellent communication and organization skills, a broad understanding of biology and knowledge of current standards for graduate training in biomedical sciences at peer institutions.

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

Candidates should apply directly for the position (12-07-13-01-9029) through the University of Texas at Austin Human Resources website: https://utdirect.utexas.edu/apps/hr/jobs/

To receive full consideration, applicants should submit all materials to the above site by September 15th, 2012.

Questions about the position should be directed to Dr. Jeff Gross, Chair of the CMB Graduates Studies Committee (jmgross@Austin.utexas.edu).

Homepages: http://www.icmb.utexas.edu and http://www.icmb.utexas.edu/cmb/

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

VANDERBILT UNIVERSITY

TENURE-TRACK FACULTY POSITION IN BIOCHEMISTRY

The Department of Biological Sciences at Vanderbilt University invites applications for a tenure-track faculty position in biochemistry at the rank of Assistant Professor. The ideal candidate will pursue innovative research that complements existing areas of strength in the department (http://sitemason.vanderbilt.edu/biosci). We particularly encourage applications in the area of mechanistic biochemistry, including but not limited to single-molecule, chemical biology, and structural methodologies. We welcome use of cross-disciplinary approaches that may include molecular, imaging and system analyses. The central criteria for the position are excellence in research and the ability to teach undergraduate and graduate students with a high level of effectiveness.

Applicants should send a single PDF containing a letter of application, curriculum vitae, statement of current and future research interests, and evidence of teaching effectiveness to barbara.a.sidwell@vanderbilt.edu. Applicants should arrange for three letters of recommendation to be sent to the same address. Review of applications will begin October 15, 2012, and will continue until the position has been filled.

Vanderbilt University is an Affirmative Action/Equal Opportunity Employer. Women and under-represented minority candidates are especially encouraged to apply.

VANDERBILT UNIVERSITY

FACULTY POSITION IN DEVELOPMENTAL GENETICS

The Department of Biological Sciences at Vanderbilt University seeks candidates to fill a tenure-track, assistant professor faculty position in developmental genetics. Candidates will be considered in all areas of developmental biology using any genetic model. We desire candidates whose research broadly overlaps and complements existing areas of interest within the department (http://sitemason.vanderbilt.edu/biosci). For information about developmental biology at Vanderbilt, see http://www.mc.vanderbilt.edu/devbio/. The central criteria for the position are excellence in research and the ability to teach undergraduate and graduate students with a high level of effectiveness.

Applicants should send a single PDF containing a letter of application, curriculum vitae, statement of current and future research interests, and evidence of teaching effectiveness to barbara.a.sidwell@vanderbilt.edu. Applicants should arrange for three letters of recommendation to be sent to the same address. Review of applicants will begin October 15, 2012, and will continue until the position has been filled.

Vanderbilt University is an Affirmative Action/Equal Opportunity Employer. Women and under-represented minority candidates are especially encouraged to apply.
Faculty Positions in Chemical Engineering
at the École polytechnique fédérale de Lausanne (EPFL)

As part of a major initiative, the Institute of Chemical Sciences and Engineering (ISIC) at EPFL invites applications for several faculty appointments in Chemical Engineering. Exceptional applicants with expertise in energy-related topics, including solar energy conversion, chemical, electrochemical and biochemical energy conversion, carbon capture and utilization, are especially encouraged to apply. Appointments at the Assistant Professor level (tenure track) are envisioned, but senior faculty levels (Associate/Full) may also be considered.

A PhD in Chemical Engineering or a related field and an excellent track record of innovative research and leadership are generally required. The successful candidate will be expected to establish and direct a vigorous, independent research program and be committed to excellence in teaching at both the undergraduate and graduate levels.

Applications including cover letter, curriculum vitae, publications list, concise statements of research and teaching interests as well as the names and addresses (including email) of five references should be submitted in electronic format via the website http://sbpositions.epfl.ch/applications/ by October 15, 2012.

The EPFL is consistently evaluated as one of the leading universities in science and engineering in Europe. We offer internationally competitive salaries, start-up resources and benefits. The EPFL aims for a strong presence of women amongst its faculty, and qualified female candidates are strongly encouraged to apply. More information about EPFL and the Institute of Chemical Sciences and Engineering can be found at: http://www.epfl.ch/ and http://isic.epfl.ch. For additional information about this call for applications, please contact the director of the institute, Prof. Paul Dyson (paul.dyson@epfl.ch).

Discover the next breakthrough. Challenge the future of science.

BE PART OF THE FOUNDING FACULTY OF SCIENTISTS AND ENGINEERS

The Singapore University of Technology and Design (SUTD), established in collaboration with the Massachusetts Institute of Technology (MIT), is seeking exceptional faculty members to lead its first batch of students.

SUTD, the first university in the world with a focus on design accomplished through an integrated multi-disciplinary curriculum, has a mission to advance knowledge and nurture technically grounded leaders and innovators to serve societal needs. Design, as an academic discipline, cuts across the curriculum and is the framework for research and educational programmes.

MIT’s collaboration with SUTD includes the development of new courses and curricula, assistance with the early deployment of courses in Singapore, faculty and student recruiting, student exchanges, mentoring, career development, and collaborating on major joint projects through a new international design centre. Newly hired SUTD faculty may spend up to a year at MIT in a specially tailored programme for collaboration and professional development.

FACULTY POSITIONS

The qualifications for the faculty position include: an earned doctorate in Biology, Biomedical Sciences, Chemistry, Chemical Engineering, Physics and Mathematics, a strong commitment to teaching at the undergraduate and graduate levels, a demonstrated record of, or potential for scholarly research, and excellent communication skills.

We invite applications for interdisciplinary faculty appointment at all levels, with many opportunities available in particular at the Assistant and Associate Professor levels. Duties include teaching of graduate and undergraduate students, research, supervision of student research, advising undergraduate student projects, and service to SUTD and the community. Faculty will be expected to develop and sustain a strong research programme. Attractive research grant opportunities are also available.

Successful candidates can look forward to internationally competitive remuneration, and assistance for relocation to Singapore. If you want to be part of the founding faculty that will shape the world of tomorrow, please apply to SUTD at www.sutd.edu.sg
POSTDOCTORAL OPPORTUNITIES

ASSOCIATE SERVICE FELLOW with CDC/NIOSH

The National Institute for Occupational Safety and Health (NIOSH) invites applications for an Associate Service Fellow position to join its Toxicology and Molecular Biology Branch (TMBB), in the Health Effects Laboratory Division. The NIOSH Health Effects lab is studying the impact of occupational exposure to new and known fibrogenic agents as it relates to health effects and risk evaluation. Work is being conducted in conjunction with goals related to the National Occupational Research Agenda (NORA). Current studies include: (1) oxidative stress and signaling pathways leading to pulmonary fibrotic pathology; (2) biomarkers of exposure and toxicity; (3) receptor-mediated toxicity and protective response; and (4) molecular intervention of occupational fibrotic disease. The successful candidate should have a Ph.D. degree in Toxicology, Pharmacology, or a related biomedical field. Experience is needed in molecular, cellular, and small animal techniques. A general understanding of biomarkers is desired. Candidates at an early or advanced stage of postdoctoral training are encouraged to apply. Salary is dependent upon academic degree and experience beginning at $57,408 per year. Send curriculum vitae and contact information of three references to: Dr. Qiang Ma CDC/NIOSH/HELD/TMBB, 1095 Willowdale Road, MS 804, Morristown, WV 26505; e-mail: qam1@cdc.gov.

NIOSH is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL OPPORTUNITIES

THE ARGONNE NAMED POSTDOCTORAL FELLOWSHIP PROGRAM

Argonne National Laboratory is accepting applications for the 2013 Named Postdoctoral Fellowship. Argonne awards these special postdoctoral fellowships internationally on an annual basis to postdoctoral-level scientists and engineers who are at early points in promising careers. The fellowships are named after scientific and technical luminaries who have been associated with Argonne and its predecessors, and the University of Chicago since the 1940's. Candidates for these fellowships must display superb ability in scientific or engineering research, and must show definite promise of becoming outstanding leaders in the research they pursue. Fellowships are awarded annually and may be renewed up to three years. The 2013 fellowship carries a stipend of $80,000 per annum with an additional allocation of up to $20,000 per annum for research support and travel. The deadline for submission of application materials is October 9, 2012. Applicants should identify an Argonne staff member to sponsor the nomination. The sponsor could be someone who is already familiar with your research work and accomplishments through previous collaborations or professional societies. If you have not yet identified an Argonne sponsor, visit the detailed websites of the various Research Programs and Research Divisions at website: http://www.anl.gov/argonne/research/ for directions. Applications are accepted online through website: http://www.dep.anl.gov/Postdocs/Namedpostdoc.htm. Supporting letters of recommendation submitted to e-mail: named-postdoc@anl.gov.

All correspondence should be addressed to Argonne Named Postdoctoral Fellowship Program. One application is sufficient to be considered for all named fellowships. Argonne is an Equal Opportunity Employer and we value diversity in our workforce. Argonne is a U.S. Department of Energy laboratory managed by UChicago Argonne, LLC.

POSTDOCTORAL RESEARCH POSITIONS are available in the Department of Veterinary Medicine to study the physiological genomics, molecular signaling, and functional analysis of guanylyl cyclase/natriuretic peptide receptor using in vivo or in vitro models. There are currently two research projects. The first project involves the characterization of genes in renal and cardiac hypertrophy/fibrosis using gene-targeted mouse models. The second focus is the transcriptional regulation by promoter analysis, EMASA, and CHIP using both in vitro and in vivo systems. The third focus is analyzing receptor dynamics, protein phosphorylation, and molecular signaling using confocal and fluorescence microscopy in model cell systems. A strong background in biochemistry, molecular biology, and/or animal physiology is required. Individuals who are experienced using animal models, and in vivo or in vitro techniques are preferred. Successful applicants are expected to be motivated and have a vision for developing independent research projects. Send a resume and a list of three references to: K.N. Pandey (e-mail: kpandey@tulane.edu), Tulane University Health Sciences Center, 1430 Tulane Avenue, New Orleans, LA 70112. Equal Opportunity/Affirmative Employer.

POSTDOCTORAL OPPORTUNITIES

in computational and systems biology in the Center for Genomics at the Jackson Laboratory (website: http://www.genomedynamics.org). Center investigators use computation, mathematical modeling, and statistics to understand the genetics of complex traits. Requires Ph.D. (or equivalent) in quantitative field such as biology, computer science, or engineering; strong background in biological sciences with strong quantitative background. Programming experience recommended. More details at website: http://www.jax.org/careers (Job ID 2311). The Jackson Laboratory is an Equal Opportunity Employer/Affirmative Action Employer.

POSTDOCTORAL OPPORTUNITIES

POSITIONS OPEN

ASSISTANT PROFESSOR PLANT PHYSIOLOGICAL ECOLOGY

General Announcement

PVL #74457

University of Wisconsin – Madison

The Department of Botany, University of Wisconsin – Madison (UW-Madison) invites applications for a tenure-track faculty position in plant physiological ecology at the Assistant Professor level with an appointment to begin August 2013. We seek candidates capable of performing cutting edge research on photosynthesis, adaptations for energy capture, hydraulic integration, comparative biology, below ground processes, or global change, associated with vascular or non-vascular plants. The successful candidate will be expected to develop vigorous extramurally funded research program, contribute to biological instruction (likely including part of an undergraduate introductory biology course and a graduate course in plant physiological ecology), participate in a vibrant and collegial plant ecology group, and perform service important to the university and profession.

Applicants should have a Ph.D. in biology, ecology, botany, plant physiology, global change, or related field, with expertise in plant physiological ecology. A strong research background and experience in teaching and mentoring are required. Applications should be sent as a single PDF that includes a cover letter referencing this position, a research statement, information for three references, curriculum vitae, a research plan and a statement of teaching philosophy and interests. Please have three electronic letters of support sent directly to the search committee. All materials should be sent electronically to Plant Physiological Ecology Search Committee (e-mail: plantphysiologyst@botany.wisc.edu). To ensure full consideration, application materials must be received by October 15, 2012. A criminal background check will be required prior to the start of employment. Additional information regarding this appointment can be seen at website: http://www.botany.wisc.edu/plantphysiologist.htm.

UW-Madison is an Equal Opportunity/Affirmative action Employer. We promote excellence through diversity and encourage all qualified individuals to apply.

ASSISTANT PROFESSOR–ALL AREAS

Princeton University

Department of Chemistry

The Department of Chemistry at Princeton University invites applications for a tenure-track Assistant Professor position in all areas of chemistry. Candidates should have a strong commitment to research and to teaching at the undergraduate and graduate levels, and are expected to have completed the Ph.D. in chemistry or a related field at the time of appointment. Applicants should submit a description of research interests, curriculum vitae, a list of publications, and contact information for three references online at website: http://jobs.princeton.edu/applicants/Central?quickFind=62756. The search committee will begin review of applications on October 17, 2012 and will continue until the position is filled.

Princeton University is an Equal Opportunity Employer and complies with applicable EEO and Affirmative Action regulations.

POSTDOCTORAL OPENINGS

at The Pennsylvania State University

Positions available immediately for a new collaborative project at the interface of Biochemistry, Cellular Biology, and Micro/Nanotechnology in the Department of Chemistry (http://www石化学院/techlab/) and Dr. Tony Huang (website: http://www.psu.edu/~huang/). Highly qualified Ph.D. applicants should submit a cover letter, curriculum vitae, and three reference letters to Sharon Devlin at e-mail: skd109@psu.edu.

1004 24 AUGUST 2012 VOL 337 SCIENCE www.sciencemag.org
NIH Intramural Research Program is Recruiting
Tenure-Track “Earl Stadtman Investigators”

We are actively searching for Neuroscientists

The National Institutes of Health, the U.S. government’s premier biomedical and behavioral research enterprise, is pleased to announce its fourth annual call for “NIH Earl Stadtman Investigators.” The Intramural Research Programs of NINDS, NIMH, NIDCD, NIDA, NICHD, NEI, NIAAA, NIDCR, NHGRI, NIA and NCCAM together form one of the largest and most active neuroscience communities in the world consisting of a diverse group of investigators with a wide range of interests. With phase two of the Porter Neuroscience Research Center on the NIH Bethesda campus slated for completion in 2013 this community of researchers will become increasingly integrated in this state-of-the-art research facility. Information about the NIH neuroscience community can be found at neuroscience.nih.gov. Some of the Institutes with neuroscience programs are actively searching for outstanding neuroscientists. We encourage tenure track candidates in all areas of basic, translational and clinical neuroscience to apply for the “NIH Earl Stadtman” search.

Among the NIH Intramural Research Program’s approximately 1,200 principal investigators and 4,000 trainees are world renowned experts in basic, translational and clinical research. The program also includes the NIH Clinical Center, the world’s largest hospital entirely devoted to biomedical research. Similar to academia, we offer our scientists the opportunity to mentor outstanding trainees at all levels (e.g., graduate students and postdoctoral fellows) in a research setting. Join the team whose hallmarks are stable funding, intellectual freedom, shared resources, and access to a broad range of scientific expertise. Scientific discoveries from our intramural laboratories, with their extensive infrastructure and critical mass of expertise, have a crucial role in both maintaining America’s research excellence and advancing medical treatments and cures. More information about the NIH Intramural Research Program can be found at irp.nih.gov.

QUALIFICATIONS/ELIGIBILITY: Candidates must have a Ph.D., M.D., D.D.S./D.M.D., D.V.M., D.O., R.N./Ph.D., or equivalent doctoral degree and have an outstanding record of research accomplishments as evidenced by publications in major peer-reviewed journals. Applicants may be in early stages of their research careers or non-tenured early-to-mid career scientists. Appointees may be U.S. citizens, resident aliens, or non-resident aliens with, or eligible to obtain, a valid employment-authorization visa.

HOW TO APPLY: Applicants must submit a CV, a three-page research plan, a one page description of their vision for future research and its potential impact, and contact information for three professional references through our online application system at http://irp.nih.gov/stadtman between August 1 and October 1, 2012. Requests for letters of recommendation will be sent to your references when you submit your application. We cannot accept paper applications.

DHHS and NIH are Equal Opportunity Employers. The NIH is dedicated to building a diverse community in its training and employment programs.

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Faculty of Health and Life Sciences
Institute of Translational Medicine
Department of Molecular and Clinical Pharmacology
and MRC Centre for Drug Safety Science

2 Junior/Senior Research Group Leaders

£37,012 - £59,304 pa

The University of Liverpool invites applications for 2 Research Group Leaders at Lecturer or Senior Lecturer level, based in the Department of Molecular and Clinical Pharmacology and prestigious MRC Centre for Drug Safety Science. You will be considered in the fields of Molecular Pharmacology/ Toxicology, Cancer Pharmacology, Pharmacometrics and Systems Biology.

These posts are part of the University’s continued and significant commitment to the MRC Centre. The Centre provides fundamental mechanistic insight into clinically important adverse drug reactions to allow for safer drug design and more informed patient care. Candidates for each post must be outstanding individuals with developing track records. Attractive support packages will be available together with high quality laboratory research space.

Job Ref: A-580279/S Closing Date: 14 September 2012

For full details, or to request an application pack, visit www.liv.ac.uk/working/job_vacancies/ or e-mail jobs@liv.ac.uk

Please quote job ref in all enquiries.

COMMITTED TO DIVERSITY AND EQUALITY OF OPPORTUNITY
The Department of Biological Chemistry at The Johns Hopkins University School of Medicine invites applications for a tenure-track faculty position at the Assistant Professor level. The Department is seeking candidates with an outstanding record in any area of biochemistry, cellular, or molecular biology and a commitment to excellence in research and teaching. Applications should submit (preferably, as a single PDF file) curriculum vitae, list of publications, summary of research accomplishments, and a description of their future research plans by October 31, 2012. Electronic files should be sent to e-mail: bcfacultyrecruitment@jhu.edu. Applicants should also request that three letters of recommendation be sent electronically or to the address below:

**Gerald W. Hart, Ph.D.**
Facility Search Committee Chair
C/O Ms. Angelina Hines
Department of Biological Chemistry
The Johns Hopkins University
School of Medicine
725 North Wolfe Street
Baltimore, MD 21205-2185

Equal Opportunity/Affirmative Action Employer.

**DUKE UNIVERSITY**
Durham, North Carolina

The Department of Chemistry invites applications for a regular rank, non-tenure-track Professor of the Practice position to begin July 1, 2013. The Professor of the Practice track at Duke University is designed to fulfill the tenured track, emphasizing teaching and pedagogy. This is a term appointment (four year initial term, renewable upon review), and affords the possibility for promotion to the Associate and Full Professor of the Practice level. We seek candidates with demonstrated excellence in teaching and a background in chemical education. The position would involve teaching at the undergraduate level, including introductory chemistry courses, and helping lead ongoing efforts to revise and improve our undergraduate chemistry curriculum and to implement new, student-centered teaching methodologies. A Ph.D. is required. Applicants at all levels (ASSISTANT, ASSOCIATE, and FULL PROFESSOR OF THE PRACTICE) will be considered. Applicants should submit a cover letter and curriculum vitae in PDF format to e-mail: popsearch@chem.duke.edu. Applicants at the Associate and Full Professor of the Practice levels should include names and contact information for three references along with their application, whereas applicants at the Assistant Professor of the Practice Level should submit three letters of reference in PDF format to the above address. Applications received by November 15, 2012 will be guaranteed consideration. Duke University prohibits discrimination and harassment, and provides Equal Employment Opportunity without regard to race, color, religion, national origin, disability, veteran status, sexual orientation, gender identity, sex, or age. Duke University is an Affirmative Action/Equal Opportunity Employer. This position is subject to the provisions of Title IX and Section 504.

**YALE UNIVERSITY**
Department Of Chemistry

The Department of Chemistry at Yale University invites applications for multiple tenure-track positions at the ASSISTANT PROFESSOR level to commence July 1, 2013. We seek creative teacher-scholars who show promise for developing outstanding research programs and who will consider applications in any area of chemistry. Applicants should send their curriculum vitae, a statement of research plans, and arrange for the submission of three letters of recommendation. Please submit all material to Academic Jobs Online at website: https://academicjobsonline.org/ajo/Yale. A review of applications will begin 19 September 2012.

Yale University is an Equal Opportunity/Affirmative Action Employer and applications from women and underrepresented minority group members are especially encouraged.