This feature examines the professional landscape for scientists, engineers, and clinicians who endeavor to better understand how nanotechnology can impact biological systems.

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Investments Boost Neurotechnology Career Prospects

The past few years have seen some extraordinary activity in the neuroscience field. High-profile advances, from the Allen Brain Atlas to the Brainbow mouse, have injected an air of excitement into the study of the brain—an atmosphere that has been amplified by big funding initiatives in the United States and abroad. For budding neuroscientists, it’s heady days—at least if you’ve got a knack for technology development, programming, and engineering. But it will take more than raw skill to land a job. By Jeffrey M. Perkel

Mark Cembrowski was a graduate student in applied mathematics with a taste for neurobiology at Northwestern University when he discovered a way to marry his two interests.

Two of his math professors were collaborating with physiologist Joshua Singer, also at Northwestern, who was keen to model the biology of a retinal cell called the All amacrine interneuron. “Josh wanted someone to come in and build a model of single All cells to try and understand how the All works as an input/output device,” Cembrowski explains. So, he joined Singer’s team.

But models are only as good as their input data, and very quickly, Cembrowski says, he realized he needed more of it. Specifically patch-clamp electrophysiology data. And he was going to have to collect it himself.

Patch clamping isn’t easy even for seasoned neuroscientists, let alone an applied mathematician who’d never set foot in a biology lab. “I was the worst of the worst,” he concedes. “I broke a lot of things getting started.”

Still, he persevered, and in 2012 published his first electrophysiology paper. “My whole perspective on this just flipped 180 degrees,” he says. “When I found the confidence and the ability to do these experimental techniques, I felt like I was on top of the world.”

As it turns out, researchers like Cembrowski are atop the neuroscience world, too, where research opportunities increasingly blend traditional neurobiology with technology development.

That marriage of disciplines underlies President Obama’s recently announced Brain Research through Advanced Innovative Neurotechnologies (BRAIN) initiative. Seeded with $110 million from the U.S. National Institutes of Health (NIH), the National Science Foundation, and the Defense Advanced Research Projects Agency, the initiative has a heavy focus on technology development, says Tom Insel, director of the National Institute of Mental Health (NIMH), one of four NIH institutes that together contributed $40 million to the pot.

“This is a unique investment,” Insel says. “It’s not to expand all of neuroscience, but it’s to invest in the area of tool development specifically, which is sometimes difficult to do with RO1 grant funding.”

In particular, he says, the initiative will support a new breed of neuroscientist, one trained not as a classical brain researcher but as a physicist or mathematician, computer scientist or engineer—researchers who may never have received NIH funding before. “One of the measures of success for me with the BRAIN Initiative is, when I see the pay plan of who’s going to be funded, I’m hoping that I will not recognize most of the names,” he says.

One name that won’t be on the list is Cembrowski, who is still in training. Upon graduating with a Ph.D. in applied mathematics, he joined Nelson Spruston’s lab at the Howard Hughes Medical Institute’s Janelia Farm Research Campus, a private research institute with a heavy focus on neurobiology. There, he pivoted again and again, from electrophysiology to RNA-sequencing data analysis, to anatomy and histology, and thence to behavioral analysis. “No technique is an island,” he explains. “There’s always other techniques that one can adopt as a way of validating and extending what you’ve done previously.”

“This is a guy who just knows no boundaries,” Spruston says. “He’s going to go out and learn what he needs to learn to answer the questions that he wants to answer. And this is to me the phenotype of the successful neuroscientist these days.”

Collecting techniques

So how can one develop that phenotype? Certainly, a solid technical background doesn’t hurt. Popular flavors du jour include connectomics, functional magnetic resonance imaging (fMRI), and optogenetics.

But it’s not the acquisition of techniques per se that matters, most say, so much as the willingness to try new things, coupled with sufficient neurobiology expertise to understand what questions to ask. continued>

Upcoming Features

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“We don’t hire assistant professors because they know technique x, but because they are working on an interesting problem,” says Eve Marder, a professor of neuroscience at Brandeis University. “We totally expect that in five or 10 years, they might be using a completely different technology.”

Ed Boyden, a chemist and physicist turned electrical engineer who co-developed optogenetics, echoes that sentiment. “Skills are certainly good to have. But maybe even more important than having skills is having the ability to pick up new skills,” he says. After all, today’s hot technology is tomorrow’s dinosaur.

In this era of “big data,” strong computational skills and informatics expertise also are increasingly valuable for neuroscience success, says David Van Essen, alumni endowed professor of neurobiology at the Washington University School of Medicine and co-principal investigator (PI) of the Human Connectome Project (HCP). “That doesn’t mean that they have to write new programs themselves,” he says, “but they have to be comfortable with using computers in increasingly sophisticated ways.”

Marder says her students inevitably become proficient in MATLAB. So, too, do researchers working with Moritz Helmstaedter, a connectomics expert and director of the Max Planck Institute for Brain Research in Frankfurt, Germany. Helmstaedter says that in his experience, the best skillset for neuroscience in general, and connectomics in particular, is a background in physics. “That’s almost always a convincing feature,” he says, “because somebody who has that kind of background and is interested in neuroscience, very rarely fails on you.” But barring that, he continues, interest in quantitative analysis is a must.

The brain, he notes, is a biological machine “of un-understood complexity,” inevitably requiring sophisticated number crunching and quantitative approaches rarely found in pure biology. “Data is so massive that analysis has to be quantitative, of course, but also it has to involve high-dimensional pattern recognition. And these are topics that you have to have a very quantitative background for.”

Such quantitative prowess can even help researchers leverage public datasets they didn’t generate. Van Wedeen, another HCP PI at the Massachusetts General Hospital (MGH) Martinos Center for Biomedical Engineering, says the proliferation of neuroscience resources, such as those put out by the HCP and Allen Brain Atlas, can pay unexpected dividends for young researchers who lack the funds to collect such data themselves. In particular, they allow researchers to test-drive radical ideas and pivot to new areas of focus. “They enable everyone, young and old alike, to pursue hypotheses that are not heavily driven by preceding work,” he says.

Sapirstein says that the postdocs he hires generally aren’t afraid to take something apart and reassemble it, or write their own software rather than using off-the-shelf solutions. In part, he says, that’s because he wants people who are “very quantitatively adept.” But also it’s because industry leaders tend to be people who understand a technology well enough to improve upon it. “If you just keep doing what you were doing five years ago or 10 years ago, it won’t pay off in the same way as it will if you’re on top of the technological advances as they happen.”

Continuing education

One way neuroscientists can hone their technical edge is to take off-major courses in physics or engineering (if they are still in graduate school) or postdoc in a lab that can teach them new techniques.

But the burgeoning emphasis on technology development means that career development isn’t just about teaching old neuroscientists new tricks: it’s also about educating engineers, physicists, and computer scientists in the basics of neuroscience. Joe Tsien, co-director of the Brain and Behavior Discovery Institute at Georgia Regents University, has several computer scientists and physicists in his lab. “It’s easier from my own experience to train these people to do the biology than to train the biologists [as] computer scientists,” he says.

Some universities have begun offering graduate training specifically focused on neurotechnology, among them the Massachusetts Institute of Technology (MIT) Center for Neurobiological Engineering. Boyden, who codirects that center, says traditional neuroscience graduate programs typically focus on hypothesis-driven research—asking and answering “profound, deep mysteries of the brain.” The MIT center, in contrast, “is about building tools.”

“We really want to build technologies that enable us to answer questions that people might not even be able to ask right now,” Boyden explains.

Martin Monti, assistant professor of psychology at the University of California, Los Angeles (UCLA), took a different path to boost his technological bona fides. In 2008, while a postdoc in the Medical Research Council Cognition and Brain Sciences Unit at the University of Cambridge, United Kingdom, Monti spent two weeks in sunny California at the UCLA Semel Neuro-Imaging Training Program (NITP).

NITP is a federally funded project whose agenda is “to take people with training that’s nontraditional for neuroscience—engineers, mathematicians, statisticians, physicists, and so on—and to bring them up to speed on neuroimaging, a science that needs those sorts of technologies,” says Mark Cohen, who directs the program. “It includes both a traditional one-year fellowship program open to UCLA graduate students, and

“Our students are expected to become sophisticated in digital signal processing, statistics, neurophysiology, electronics, measurement, and experimental design, simultaneously.”

— Mark Cohen
In this era of ‘big data,’ strong computational skills and informatics expertise also are increasingly valuable for neuroscience success.”

— David Van Essen

Featured Participants

Brain and Behavior Discovery Institute, Georgia Regents University www.gru.edu/mcg/discovery/bbdi
Brandeis University www.brandeis.edu
Janelia Farm Research Campus janelia.org
Max Planck Institute for Brain Research www.brain.mpg.de/home.html
MGH Martinos Center for Biomedical Engineering www.nmr.mgh.harvard.edu
MIT Center for Neurobiological Engineering web.mit.edu/cnbe

Additional Resources

National Institute of Mental Health www.nimh.nih.gov
Northwestern University www.northwestern.edu
UCLA Semel Neuroimaging Training Program www.brainmapping.org/NITP
Washington University School of Medicine medicine.wustl.edu

BRAIN Initiative www.nih.gov/science/brain
Human Brain Project www.humanbrainproject.eu
Human Connectome Project www.humanconnectome.org

A brain research brain drain?

There’s no denying there’s some big money in neuroscience these days. The BRAIN Initiative will dole out some $110 million in funding in its first year—about 2% of the $5.5 billion the NIH will spend this year on neuroscience overall, according to Insel—and President Obama has requested $200 million for 2015. A recent report by a working group of the Advisory Committee to the Director of the NIH, has recommended a subsequent investment of $4.5 billion over 10 years. The European Research Council spent some €250 million (US$323 million) on neuroscience research in 2012. More recently, the European Union earmarked €1 billion (US$1.3 billion) toward the controversial Human Brain Project.

Such spending will undoubtedly produce new job opportunities at all levels of research, from technicians to postdocs to principal investigators. But the BRAIN Initiative, at least, says Insel, isn’t a job program per se. “This is really about creating tools and resources for the broad community of people who want to study the brain.”

China, too, is investing heavily in the brain, says Tsien, who in addition to his position in Georgia also is honorary chief scientist at the Brain Decoding Center at the BanNa Biomedical Research Institute in Yunnan Province, China. With comparatively fewer labs and scientists vying for research dollars, he estimates funding rates in China are “probably [around] 30%.” In contrast, just 17.5% of ROI applications were funded in 2013, according to the NIH. As a result, Tsien says, he is seeing a “fundamental shift,” with many foreign postdocs who once would try to stay in the United States now heading home. “The vast majority go back to their country because there are more opportunities there.”

Similarly, Helmstaedter says he has seen an increase in applicants from the United States for group leadership positions at the Max Planck Institute. “One hears about bad funding, but to [hear] somebody would consider going to Europe from the United States, which for a long time was the place to do research, that’s amazing,” he says.

How that situation will evolve, of course, is anybody’s guess. But neuroscience, at least, seems to be on the upswing. Says Spruston, “I think, if I were a student or a postdoc, I’d be encouraged about what’s happening in the field now.”

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a two-week immersive summer course in advanced magnetic resonance imaging methods and applications.”

Limited to 35 or 36 attendees at all academic ranks, “the summer program combines classroom lectures, laboratory exercises, and a team-based research experience,” says Cohen, “some of which result in publications and lasting collaborations.”

The program also has a complementary agenda, he adds, which is to take people in more traditional neuroscience fields “and get them down and deep with the nitty-gritty of the technologies that we use in imaging, including math, physics, electrical engineering, and other things that are crucial to an understanding of the field.”

According to Cohen, NITP—which is one of just three such programs around the country (the others are at MGH and the University of Pittsburgh)—offers its students a rare opportunity in interdisciplinary training. “Our students are expected to become sophisticates in digital signal processing, statistics, neurophysiology, electronics, measurement, and experimental design, simultaneously. Neuroimaging has become an unusually demanding high-technology field, and few places are equipped to offer these students the training that they need to become broad participants.”

Monti already had substantial experience with fMRI when he signed up for NITP, he says, but was looking for a deeper understanding of the technology. The course, he says, “completely changed the way in which I understand experiments and analyze data,” he says. He discovered he’d only scratched the surface of how fMRI works and what it can do—knowledge that he says helps him design better experiments, and may have boosted his career prospects.

Of course, a one- or two-week training course isn’t going to make or break a resume, says Robert Savoy, an instructor in radiology at Mass General who runs several of the short-term training programs at the MGH Martinos Center. “This is not a degree-granting program,” he says. “It isn’t even CME [continuing medical education credit]-granting.” But it is nevertheless valuable. Says Monti, “[NITP] certainly gave me a huge advantage in terms of talking about and conceiving experiments. Even just that made me a better candidate than many other people for any postdoc or faculty position.”
The Department of Neuroscience invites applications for two Full Associate/Assistant Professors in Computational and Theoretical Neuroscience. One position will be joint with the Department of Computer Science and a separate position will be joint with the Department of Mathematics. This search is part of a multi-faculty hiring initiative in Computational and Theoretical Neuroscience with the aim of building existing strengths in the field to create a Computational and Theoretical Neuroscience Center.

Those interested whose work intersects with computer science approaches and include, but are not limited to, information and complexity theory, computational modeling, computational geometry, statistics, machine learning, robotics, graphical models, stochastic processes, coding theory, and data mining should go to http://services.cs.utexas.edu/recruit/faculty/frontmatter/checklist.html for application instructions.

Those interested whose work intersects with mathematical approaches and include, but are not limited to, dynamical systems, partial differential equations, algebraic geometry, statistics, information theory, stochastic processes, and applied and computational topology should go to https://academicjobsonline.org/aajo/jobs/4726 for application instructions.

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 applicants selected.

The Department of Biological Science at Florida State University invites applications for a tenure-track assistant professor position in the broad area of Immunology, including but not limited to structural immunology, innate immunity, mucosal/ microbiome immunity, neuroimmunology, immunology of cancer, and developmental immunology. We are seeking candidates who will establish an extramurally funded research program and will participate in undergraduate and graduate education. The Department of Biological Science is a group of 43 integrated faculty. The Cell and Molecular Biology area within the department has existing strengths in structural biology, virology/microbiology, genomics, developmental biology, and neuroscience. Excellent research facilities include: a state of the art imaging facility with a Titan Krios electron microscope, hybridoma facility, flow cytometry facility; next generation sequencing facility; and mass spectrometry facility. Additionally, faculty have access to the newly formed Center for Genomics and Personalized Medicine and the National High Magnet Field Laboratory.

Apply at http://jobs.fsu.edu (Job ID 38006). Applicant should submit in a single pdf: (1) a cover letter, (2) curriculum vitae, and (3) a research statement. Additionally, three confidential, independent letters of support are required to be sent to immunology@bio.fsu.edu. Priority will be given to completed applications received by December 7, 2014. Review of applications will continue until the position is filled. Questions about the position may be directed to: tang@bio.fsu.edu.

Florida State University is an Equal Opportunity/Access/Affirmative Action/Pro Disabled and Veteran Employer.

http://www.hr.fsu.edu/PDF/Publications/diversity/EEO_Statement.pdf

The Department of Anatomy and Neurobiology on the Medical College of Virginia Campus of Virginia Commonwealth University is currently offering two tenure-track positions at all faculty ranks. The department currently has 15 full-time neuroscience faculty who are supported by substantial extramural support. Additionally, their research efforts are assisted by an advanced and extensive bioimaging core. These positions are supported by state funds and will be offered to individuals with solid extramural funding and an outstanding publication record that complements the research directions of the department in glial cell biology, neuroplasticity, and traumatic brain injury. The successful candidate will also be expected to come with graduate and professional student teaching expertise related to one of the department’s core activities in either the area of gross anatomy, histology, or neuroscience. Applicants should possess a PhD, MD, or DDS degree or equivalent with demonstrated experience working in and fostering a diverse faculty, staff and student environment or a commitment to do so as a faculty member at VCU. The available positions offer attractive salaries and start-up packages with appropriate laboratory space. Review of the applications will begin immediately and the positions will remain open until filled.

Interested candidates should send a curriculum vitae, a letter of intent outlining their research and scholarly accomplishments, and the name, address, telephone number, and email address of three references. Application materials must be electronically submitted to anatrecruit@vcu.edu.

Virginia Commonwealth University is an Equal Opportunity/ Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

The UC Davis MIND Institute, School of Medicine, and the Genome Center invite applications for a tenure-track faculty position at the Assistant or Associate level in the area of human genetics and genomics. Applicants interested in genomic approaches to autism or related disorders who employ large-scale, technology-driven approaches that complement existing strengths at UC Davis are particularly encouraged to apply. Ideal candidates would combine bioinformatics with wet bench approaches in human studies. Candidates should be strongly motivated by the biological and medical importance of their research and should value the opportunity to work in close collaboration with both clinical and research faculty.

The UC Davis MIND Institute (Medical Investigation of Neurodevelopmental Disorders) is a collaborative international research center, committed to the awareness, understanding, prevention, care, and cures of neurodevelopmental disorders. Its mission is to find effective treatments and cures for autism and other neurodevelopmental disorders. The MIND Institute is an administrative unit within the UC Davis School of Medicine. The UC Davis Genome Center integrates experimental and computational approaches to address key problems at the forefront of genomics. The Center faculty build on and enhance the unique strengths and unmatched breadth of the life sciences on the UC Davis campus.

Candidates may be at the junior or mid-career level. At the midcareer level, we invite applications from prominent scientists with distinguished records of research, including extramural funding, teaching, and leadership in genomics. At the junior level, we invite applications from candidates whose accomplishments in innovative research and commitments to teaching demonstrate their potential to develop into the future leaders in human genetics and genomics. This position requires a Ph.D., M.D./Ph.D., or equivalent. The appointment will be at the Assistant or Associate Professor level in an appropriate academic department in the School of Medicine. The position will remain open until filled. For fullest consideration, applicants should submit a letter of application, a curriculum vitae, statements of research and teaching interests, and the names of at least five references to the UC Davis Recruit Website https://recruit.ucdavis.edu/apply/JPF00399 by December 1, 2014.

The University of California is an Affirmative Action/Equal Opportunity Employer.
The ASRC seeks a dynamic and innovative scientist with demonstrated leadership and research accomplishments in neuroscience to serve as Professor and Director of Neuroscience. The position will be a tenured faculty member and program administrator. The successful candidate will be expected to engage in teaching and research; oversee the Neuroscience program; lead researchers in collaborative projects and activities; lead the continued acquisition of external funding; recruit new faculty; and ensure compliance with federal research guidelines and University policies. Applicants must be accomplished and respected researchers in an area of neuroscience or a closely related area; strong leadership qualities; familiarity with multi-disciplinary programs; interest in promoting research collaborations and diverse academic activities; ability to foster collaboration among scientists; and ability to identify promising new areas for basic research applications. The director will have the opportunity to recruit new faculty into related areas in neuroscience. Exceptional candidates may be appointed as a Distinguished and/or Einstein Professor, Ph.D., in a life science, engineering, or closely-related science area required.

To apply and to seek further information visit: asrc.cuny.edu/jobs

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Tenure Track Faculty

The Department of Brain & Cognitive Sciences (BCS) (http://bcs.mit.edu) and The Picower Institute for Learning & Memory at MIT (http://picower.mit.edu/) are looking to hire up to three (3) tenure-track faculty at the assistant professor level who work in one or more of the following three (3) areas:

i) Computational approaches to intelligence, cognition or neuroscience; an experimental component to the candidate’s research would be viewed as a positive but is not necessary. An affiliation with Electrical Engineering and Computer Science, the Computer Science and Artificial Intelligence Laboratory (CSAIL), or other allied departments is possible.

ii) Molecular & cellular: The Picower Institute is searching for a candidate studying function or plasticity of neuronal networks at the cellular, circuit, and/or systems levels using a multi-faceted approach combining different methodologies and levels of analysis. Candidates with strong cellular/molecular training who are studying development of brain circuits or using stem cell technologies are particularly encouraged to apply.

iii) Human cognition and/or cognitive neuroscience using behavioral methods, especially in the areas of language and/or cognitive development OR using fMRI/neuroscience methods. Successful applicants are expected to develop and lead independent, internationally competitive research programs and to share in our commitment to excellence in undergraduate and graduate education by teaching courses and mentoring graduate and undergraduate research. PhD must be completed by start day of employment and some postdoctoral training is preferred.

Please submit application materials – cover letter, CV, statement of research and teaching interests and representative reprints – online at https://academicjobsonline.org/ajo/jobs/4202. Please state research area in cover letter. To help direct the application, applicants should indicate which of the three areas listed above is their main research area by answering the mandatory questions included in the application. In addition, please arrange to have letters of recommendation submitted online. Review of applications will begin on November 1, 2014.

MIT is an affirmative action employer, and we encourage applications from women and underrepresented minorities.

http://web.mit.edu

McGovern Institute

Call for Nominations: Scolnick Prize in Neuroscience

The McGovern Institute for Brain Research is accepting nominations for the 12th annual Edward M. Scolnick Prize in Neuroscience. The Prize recognizes an outstanding discovery or significant advance in the field of neuroscience. The prize is $100,000. The recipient presents a public lecture at MIT, hosted by the McGovern Institute and followed by a dinner in Spring 2015.

Nomination Deadline: December 15, 2014

Nomination procedures: Candidates for the award must be nominated by individuals affiliated with universities, hospitals, medical schools, or research institutes, with a background in neuroscience. Self-nomination is not permitted. Each nomination should include: 1. A biosketch or CV of the nominee; 2. A letter of nomination with a summary and analysis of the major contributions of the nominee to the field of neuroscience. 3. Up to two representative reprints will be accepted.

Selection Procedure: Members of the selection committee and faculty affiliated with MIT are not eligible. Announcement of the award recipient will be made in January 2015. Recipient must attend all events to be awarded the prize.


Send nomination packet to: Attn: Scolnick Prize Nomination McGovern Institute for Brain Research Massachusetts Institute of Technology 77 Massachusetts Avenue 46-3160 Cambridge, MA 02139; or e-mail: gwolf@mit.edu. For more information: visit website: http://mcgovern.mit.edu
The Sarcoma Medical Oncology Service in the Department of Medicine of Memorial Sloan Kettering Cancer Center is seeking an outstanding scientist/physician-scientist with expertise in drug development/discovery and translational research. The successful candidate will be able to have a research program directed at translational sarcoma research and lead the Jennifer Linn Laboratory of New Drug Development in Sarcoma and Rare Cancers that will interface with the Hospital’s sarcoma disease management team. Applicants should have a significant record of research accomplishment, and a proven ability to collaborate with translational physicians on clinically relevant projects. Candidates may have scientific background in any relevant translational field including stem cell biology, epigenetics, metabolomics, cell signaling, etc. Research applicable to sarcoma is desirable but not necessary, but work in the Linn Laboratory will be directed to Sarcoma and rare unidentified cancers.

Interested applicants should forward a cover letter, curriculum vitae, statement of research interests, and list of references to David Spriggs, M.D., Head of the Solid Tumor Oncology Division, Memorial Sloan Kettering Cancer Center, 300 E 66th Street, 13th Floor, New York, NY 10065, faxes will be accepted at 646-888-4270 and emails should be sent to rodrigec@mskcc.org.

Memorial Sloan Kettering Cancer Center is an Equal Opportunity Employer with a strong commitment to enhancing the diversity of its faculty and staff. Women and applicants from diverse racial, ethnic and cultural backgrounds are encouraged to apply.

The School of Biological Sciences at Washington State University, Pullman, Washington, invites applications for a full-time, non-tenure track, Clinical Assistant Professor position in human biology to begin 16 August 2015. The successful candidate will be expected to apply innovative strategies to develop and teach online undergraduate courses that support a proposed BS in Biology to be offered through our Global Campus. Courses are likely to include human physiology, human anatomy, human nutrition, developmental biology, and medical terminology. Participation in service needs is an expectation, and scholarship, either on pedagogy or a disciplinary specialty, is expected for promotion in this position. The primary service role may be academic advising for pre-medical and pre-dental students with undergraduate majors in biology and zoology. Our hire will be expected to advance the WSU commitment to diversity and multiculturalism among the faculty, staff, and students.

To apply visit www.wsujobs.com and upload application materials that include a cover letter, Curriculum Vitae, names and contact information for three references, a teaching statement that addresses the applicant’s experience in teaching online courses, and up to three relevant publications. The reference letters will be automatically requested and obtained from the reference provider through our online application system. For information on the position candidates may contact Dr. Larry Hufford (hufford@wsu.edu).

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Northeastern University
College of Engineering

With 44 tenure-track hires since 2011, 8 federally-funded research centers, and a bioengineering department established in 2013, Northeastern’s College of Engineering is in a period of dynamic growth. Our emphasis on interdisciplinary, use-inspired research—tied to Northeastern’s unique history of industry collaboration via the university’s signature cooperative education program—enables partnerships with academic institutions, medical research centers, and companies near our centrally located Boston campus and around the globe.

The college seeks outstanding faculty candidates, with emphasis on bio-related, interdisciplinary expertise.

Successful applicants will lead internationally recognized research programs aligned with one or more of the college’s strategic research initiatives. Particular consideration will be given to candidates at the associate or full professor level; exceptional candidates at the assistant professor level will also be considered.

Learn more and apply at coe.neu.edu/faculty/positions

Northeastern is an Affirmative Action/Equal Opportunity educator and employer committed to excellence through diversity.
In 1977, Carl R. Woese overturned one of the major dogmas of biology with his discovery of the Archaea, the third domain of life. The methods he utilized involving ribosomal RNA have become the standard approach used to identify and classify all organisms today. As a faculty member of the University of Illinois for nearly 50 years and a founding member of the Institute for Genomic Biology, we honor the legacy of Carl R. Woese with the establishment of the Woese Fellowship.

The Woese Fellows will be truly exceptional young scholars who have completed their Ph.D. within the last several years, and are at the forefront of their field in evolution and the emergence of life, or other rapidly developing areas of quantitative biology and genomics. Woese Fellows will combine a quantitative outlook on biology with creative, possibly interdisciplinary, approaches to deep scientific questions, and will be able to take advantage of the stimulating IGB environment to carry out independent and collaborative research in a field of genomic biology. Woese Fellows will typically spend two to three years conducting research in one or more of the several research themes in the Institute. An annual salary of $55,000 will be provided, with a yearly stipend of $10,000 to be used in support of research.

The closing date for all positions is February 1, 2015. Fellows will be announced on or about April 1, 2015. To apply, please visit http://go.illinois.edu/woesefellow.

The University of Illinois is an Affirmative Action/Equal Opportunity Employer. The Institute for Genomic Biology is a pioneer in advancing life sciences research with program areas in systems biology, cellular and metabolic engineering, and genome technology. Visit www.igb.illinois.edu for additional information.
The Department of Ophthalmology in the UNC School of Medicine is seeking to fill a tenure-track position at the rank of Assistant Professor with an outstanding PhD and/or MD scientist. The candidate would also be eligible for a basic science affiliation in the Department of Cell Biology and Physiology. The ideal candidate will have demonstrated the potential to establish or has established an independent, creative research program in the area of stem cell neurobiology with the aim of developing a program in retinal cell regeneration. The qualified candidate must have an M.D. or a Ph.D. degree in an appropriate discipline and have a strong track record of publications that demonstrates creativity and breadth of experience and potential. Candidates will also be expected to contribute to the research and graduate training in the Department of Cell Biology and Physiology. For additional information contact: Donald L. Budenz, MD, MPH, Professor and Chairman, Department of Ophthalmology, UNC-CH, Department of Ophthalmology, 5151 Bioinformatics Bldg, CB# 7040, Chapel Hill, NC 27599-7040, dbudenz@med.unc.edu., phone: 919-966-5296, fax: 919-966-1908.

To apply for this position all applicants must apply on line at: http://unc.peopleadmin.com/postings/48079. Apply deadline is November 30, 2014. Please include a cover letter, CV, a detailed statement of research program and interests, and the names and contact information or four references.

UNC-CH is an Equal Opportunity Employer.

The UC Davis Genome Center, Comprehensive Cancer Center, and College of Biological Sciences invite applications for a tenure-track faculty position at the intersection of human cancer genetics and bioinformatics. Applicants interested in computational approaches to cancer who employ large-scale, data-driven methods that complement existing strengths at UC Davis are particularly encouraged to apply. Ideal candidates will combine basic and clinical bioinformatics studies. Candidates should be strongly motivated by the biological and medical importance of their research and should value the opportunity to work in close collaboration with both clinical and research faculty.

The UC Davis Genome Center integrates experimental and computational approaches to address key problems at the forefront of genomics. The UC Davis Comprehensive Cancer Center’s mission is to lower the mortality from cancer, focusing on reducing cancer health disparities, and delivering innovative clinical trials to our patients, informed by clinical genomics combined with basic science discoveries. The multidisciplinary faculty of both Centers build on and enhance the unique strengths and unmatched breadth of the life sciences on the UC Davis campus.

Candidates may be at any academic level. At the senior level, we invite applications from prominent scientists with distinguished records of research, including extramural funding, teaching, and leadership in cancer genomics and bioinformatics. At the junior level, we invite applications from candidates with outstanding accomplishments in innovative research and a commitment to teaching that demonstrates their potential to develop into future leaders in cancer genomics and bioinformatics.

This position requires a Ph.D., M.D./Ph.D., or equivalent degree. The appointment will be at the Assistant, Associate or Full Professor level in the Department of Molecular and Cellular Biology in the College of Biological Sciences. The position will remain open until filled. For fullest consideration, applicants should submit a letter of application, a curriculum vitae, statements of research and teaching interests, and the names of at least five references to the UC Davis Recruitment Website https://recruit.ucdavis.edu/applicaJPF00406 by December 1, 2014.

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

The Minerva Schools at KGI are designed to prepare students to become innovators and leaders in a wide variety of disciplines. Our aim is to reinvent higher education at every level, from how we define the curriculum to how we teach. All teaching is done using the Minerva Active Learning Forum cloud-based software, which supports real-time, synchronous seminars (ranging from 15-19 students) with high levels of faculty-student interaction. All Minerva classes are seminars that use active learning to help students learn to think critically, think creatively, and communicate effectively about the material, and to develop knowledge on their own; no traditional information transmission per se occurs during class.

We seek both half-time and full-time faculty at the Assistant Professor, Associate Professor, and Professor level; all faculty must have a Ph.D. or comparable degree, and must be comfortable with new technology, passionate about undergraduate teaching, flexible, and willing to embrace innovative pedagogical approaches based on the science of learning.

Email the following to facultyapplications@minerva.kgi.edu

> A cover letter explaining why you believe you would be a good fit to teach a specific Minerva course.
> A current CV.
> The names of, and contact information for, three people who will write a letter of recommendation; we are particularly interested in people who can attest to the quality of your teaching, your general quality of mind, and your openness to new pedagogical approaches.
> In addition, please have your three recommenders send their letters to facultyapplications@minerva.kgi.edu with your name in the subject line.

Applications should be submitted by 30 November 2014.

See www.minerva.kgi.edu for more information.

The California Institute of Technology invites applications for a tenure-track professorial position in the Division of Biology and Biological Engineering. Bioengineering research at Caltech focuses on the application of engineering principles to the design, analysis, construction, observation and manipulation of biological systems, and on the discovery and application of new engineering principles inspired by the properties of biological systems.

Applications are invited in any area of bioengineering research. Candidates with strong commitments to research and teaching excellence are encouraged to apply. Preference will be given to candidates at the Assistant Professor level; however, consideration will also be given to more senior applicants. Initial appointments at the assistant professor level are for four years, and are contingent upon completion of the Ph.D. degree.

The Bioengineering Option (http://www.be.caltech.edu) includes faculty from the Divisions of Biology and Biological Engineering (http://www.bbe.caltech.edu), Chemistry and Chemical Engineering (http://www.che.caltech.edu), Engineering and Applied Science (http://www.eas.caltech.edu), and Physics, Mathematics, and Astronomy (http://www.pma.caltech.edu).

Please submit online application at http://bibe.caltech.edu/Positions and include a brief cover letter; curriculum vitae; relevant publications, a description of proposed research; and a statement of teaching interests. Instructions will be given for submission of letters of reference when you apply on-line. The application deadline is December 1, 2014. Applicants must also commit to attend a recruiting symposium at Caltech on February 24-25, 2015, where they will present their research and future directions.

EOE of Minorities/Females/Protected Vets/Disability.
Description: 10 full professor or principal investigator (PI) and 20 associate professor positions are available at School of Energy of Soochow University. The School of Energy focuses on researches in areas related to science and technology of new energy. Research includes but not limited to one of the following areas:

(A) Various type of chemical, physical and biological batteries, supercapacitors, and fuel cells
(B) Nano energy materials
(C) Photovoltaic materials and cells
(D) Carbon capture and storage
(E) Photosynthesis
(F) Other advanced science and technology in renewable energy

Qualifications: Candidates must have a Ph.D degree in chemistry, physics, material science or related fields; at least 2 years of post doctoral experience is preferred; he/she should be able to conduct advanced and collaborative research, either in industrials or academics; high publication record is desirable; he/she should be able to obtain public and private research fundings in China.

Employment Term: Soochow University is located in the heart of beautiful Suzhou city in Jiangsu province, China. The University has recently experienced a rapid expansion with the enrollment of high level scholars. Successful candidates will be highly compensated based on experience.

Applications: Interested candidates should send in complete CVs to Prof. Gao at gaolijun@suda.edu.cn and Prof. Liu at zfliu@pku.edu.cn

Faculty Positions Available at The IAS and The MRI, Wuhan University, Wuhan, China

Two newly founded institutes at Wuhan University in China, the Institute for Advanced Studies (IAS) and the Medical Research Institute (MRI), cordially invite applications for ~50 each, open-rank faculty positions in Biology, Chemistry, Physics, Material Sciences, and Medical Sciences.

All applicants must have a Ph. D or MD and a successful postdoctoral experience. Successful candidates will be expected to establish an active research program in relevant disciplines. We offer internationally competitive recruitment packages.

The applicants should submit, electronically, a full CV, a research statement and contact information of three referees in a single PDF file to wdgyy@whu.edu.cn (for IAS positions) or shuoffice@whu.edu.cn (for MRI positions).

Applications that apply for both institutes at the same time will not be accepted and further processed.

http://hr.whu.edu.cn/

Tenure-Track position at the Assistant/Associate/Full Professor level in Anesthesiology and Neuroscience

Jiangsu Province Key Laboratory of Anesthesiology (State Key Laboratory Cultivation Base for Anesthesiology) at Xuzhou Medical College invites applications from scientists for a tenure-track position at the rank of Assistant/Associate/Full Professor level in Anesthesiology or related field. Applicants must have a Ph.D. and/or M.D. degree, postdoctoral training. We are particularly interested in candidates who is with research training in the field of anesthesiology and neuroscience and can use cutting edge approaches involving electrophysiologival, genetic, cellular, molecular, or behavioral techniques to address key problems related to Anesthesiology, especial in 1) Pain, 2) Post operative cognitive dysfunction (POCD) and 3) Mechanisms of anesthetics and its neuronal toxic. The successful candidate is expected to develop and/or maintain an independent program of research with external funding.

The College and Department provide a very supportive research environment with excellent resources conducive to developing a successful research program. Laboratory space is also exceptional, with Jiangsu Province Key Laboratory of Anesthesiology located in a two-year old 45000 sq. foot, state-of-the-art animal research building.

Please submit a letter of application, cv, a research statement, sample publications, and provide three letters of reference to: rsc@szmc.edu.cn and caojil0310@aliyun.com. Questions about the position should be directed to Professor Jun-Li Cao, Director, Jiangsu Province Key Laboratory of Anesthesiology, at caojil0310@aliyun.com or to Yuan-Dong Li, Human Resources, at rsc@szmc.edu.cn

Faculty Positions available at Hohai University, Nanjing, China

Hohai University invites applications for faculty positions at the assistant, associate, or full professor level in the area of engineering, science, economics, management, liberal arts, and law. Applicants should have a doctoral degree from a prestigious university. For the complete job announcements and directions on how to apply, visit: rsc.hhu.edu.cn or contact the Department of human resource at 86-25-83786205.

Hohai University, founded in 1915, wins its worldwide reputation on the research of Water Science & Civil Engineering & Environment Engineering. It is a National key university of China, and among the universities of the National “211 Project” and Innovation Bases of the National “985 Project”. Hohai University aims to be a research oriented university.
Faculty Positions in Stream Ecology and Ecosystem Hydrology
Department of Natural Resources and Environmental Sciences

The Department of Natural Resources and Environmental Sciences invites applications for two tenure-track positions at the ASSISTANT PROFESSOR level expected to begin August 16, 2015. These positions are part of a campus initiative centered on Energy and the Environment and a campus-based cluster hire in Water and Land Sustainability (http://provost.illinois.edu/communication/clusterhiring.htm).

The STREAM Ecology hire will be expected to establish a research program that could include (but not be limited to) topics such as nutrient cycling, effects of agricultural runoff and nutrient input on ecosystem services of streams, links between riparian areas and stream ecosystems, ecological restoration of aquatic habitats, or impacts of climate change on sustainability of stream ecosystems. Emphasis on mitigating the negative impacts of increasing human populations on aquatic ecosystems, the conservation of ecological integrity, and defining land use impacts on stream resources or water quality would also be of interest. Full details at http://go.illinois.edu/F1400154

The ECOHYDROLOGY hire will be expected to establish a research program with an emphasis on coupled hydrological and ecological processes involving water, energy, and material fluxes at scales ranging from watersheds to regions. The ideal candidate will combine field-based methods, data-model integration, and data-assimilation of temporal and spatial data to improve understanding and prediction of coupled processes at multiple scales and in the context of global environmental change. Full details at http://go.illinois.edu/F1400171

A Ph.D. is required at the time of appointment and postdoctoral experience is preferred. Successful candidates will be expected to develop an externally funded research program and teach at undergraduate and graduate levels.

Please visit https://jobs.illinois.edu/ to view the complete position announcements and application instructions. For full consideration all requested application information must be received by December 1, 2014.

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www.inclusiveillinois.illinois.edu

Assistant Professor in Ecology and Evolution of Infectious Diseases (2 positions)

The Department of Biological Sciences (http://www.albany.edu/biology), University at Albany, invites applications for two tenure-track positions at the Assistant Professor level. The Department seeks candidates whose research will advance conceptual understanding of ecological and evolutionary aspects of infectious diseases. Possible research themes may include, but are not limited to, microbial/viral pathogen transmission and spread, host-pathogen interactions, vector biology or pathogen variation and evolution. Applicants should have wide interests in disease biology and the ability to interact with a diverse faculty working across many research areas. Opportunities for collaboration include faculty in the Life Sciences (http://www.albany.edu/lifesciences), the RNA Institute (http://www.albany.edu/rna) and the School of Public Health (http://www.albany.edu/sph), as well as the New York State Department of Health (http://www.wadsworth.org).

Successful candidates will contribute to the Department’s graduate program in Ecology and Evolutionary Biology (EEB). The successful candidates will be expected to teach at the undergraduate and graduate levels in courses appropriate to their expertise and to establish a sustained, externally funded research program. Initial salary and startup funds are competitive.

Applicants must have a Ph.D. from a university accredited by the U.S. Department of Education or an internationally recognized accrediting organization, post-doctoral experience, and a strong publication record. To apply, submit a CV, selected reprints (no more than 5), a statement of research interests and future plan, a statement of teaching interests and a minimum of three letters of reference. Applicants must address in the application, their ability to work with a culturally diverse population. Materials are accepted on-line at http://albany.interviewexchange.com/candapply.jsp?JOBID=53990

The University at Albany is an EO/AA/IRCA/ADA Employer

Penn State Hershey College of Medicine

Faculty Position in Biochemistry, Molecular Biology, and Genetics

The Department of Biochemistry and Molecular Biology at the Penn State University College of Medicine is expanding under the new leadership of Dr. James R. Broach. The Department invites applications from outstanding scientists with Ph.D., M.D., or equivalent degrees for a full-time tenure-track position. We seek candidates at the Assistant Professor level who have an active highly competitive independent research program or who show a strong potential to develop such a program. We are looking for candidates in the areas of molecular biology, genetics, epigenetics, and/or genomics. Candidates will have the opportunity to participate in Penn State’s medical genomics program through the new Institute for Personalized Medicine.

For additional information, please visit the following website: http://www2.med.psu.edu/biochemistry/

Applicants should submit a curriculum vitae and a brief statement of research plans to www.psu.job, position #53894 and arrange for three letters of reference to be sent to Faculty Search Committee, biochem_apply@hmc.psu.edu. Application should be received prior to November 15, 2014.

Penn State is committed to Affirmative Action, Equal Opportunity and the diversity of its workforce.

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Faculty Positions in Stream Ecology and Ecohydrology
Department of Natural Resources and Environmental Sciences

The Department of Natural Resources and Environmental Sciences invites applications for two tenure-track positions at the ASSISTANT PROFESSOR level expected to begin August 16, 2015. These positions are part of a campus initiative centered on Energy and the Environment and a campus-based cluster hire in Water and Land Sustainability (http://provost.illinois.edu/communication/clusterhiring.htm).

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The Ecohydrology hire will be expected to establish a research program with an emphasis on coupled hydrological and ecological processes involving water, energy, and material fluxes at scales ranging from watersheds to regions. The ideal candidate will combine field-based methods, data-model integration, and data-assimilation of temporal and spatial data to improve understanding and prediction of coupled processes at multiple scales and in the context of global environmental change. Full details at http://go.illinois.edu/F1400171

A Ph.D. is required at the time of appointment and postdoctoral experience is preferred. Successful candidates will be expected to develop an externally funded research program and teach at undergraduate and graduate levels.

Please visit https://jobs.illinois.edu/ to view the complete position announcements and application instructions. For full consideration all requested application information must be received by December 1, 2014.

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**ASSISTANT PROFESSOR**

**Integrative Ecoimmunology**

The Department of Biological Sciences at The University of Alabama invites applications for a tenure-track faculty position at the rank of Assistant Professor in Integrative Ecoimmunology. We seek applicants whose research focuses on mechanisms driving changes in host physiology and behavior in response to parasites or pathogens under ecologically relevant contexts. Applicants should use broadly integrative approaches including, but not limited to, molecular, cellular, and physiological methods to characterize host immune responses, hormonal modulation of immune responses, disease susceptibility in a social context, parasite/pathogen manipulation of host behavior and physiology, and life history evolution. Candidates that utilize field-based approaches and/or laboratory-based investigations using model or non-model systems are encouraged to apply. The successful candidate will be expected to establish an extramurally funded and internationally recognized research program in Ecoimmunology. Teaching responsibilities will include basic undergraduate courses in biology, immunology, and graduate courses in the successful candidate’s area of expertise.

Candidates must have a Ph.D. in the Biological Sciences or related field, postdoctoral (or equivalent job) experience, demonstrated excellence in research, and a commitment to excellence in teaching and the training of undergraduate and graduate students. Queries regarding additional details should be addressed to the chair of the search committee: Dr. Ryan L. Earley at rlearley@as.ua.edu.

To apply, go to https://facultyjobs.ua.edu/postings/36161, complete the online application (Job #0809244), and upload: (1) an application letter with a list of three to five references (including contact information); (2) CV; (3) statement of research interests and goals; and (4) statement of teaching interests and philosophy. Letters of reference will be requested by the search committee as appropriate. Consideration of applications will begin 1 December 2014 and will continue until the position is filled. Prior to hiring, the final candidate will be required to pass a pre-employment background investigation. The anticipated start date is August 16, 2015.

Additional information about the Department of Biological Sciences and this available position can be found on our website at http://bsc.ua.edu. Applications from women and members of traditionally under-represented groups in Biology are especially encouraged.

**ASSISTANT PROFESSOR**

**Invertebrate Systematics**

The Department of Biological Sciences at The University of Alabama invites applications for a tenure-track faculty position at the rank of Assistant Professor in Systematic Invertebrate Biology to begin August 2015. All taxonomic groups of invertebrates will be considered. Applicants whose research integrates modern genomic approaches to study the taxonomy, systematics, biogeography, and evolution of invertebrates are encouraged to apply. The successful applicant will be expected to establish an active independent research program, attract extramural funding, and must be committed to excellence in teaching and mentoring undergraduate and graduate students. In addition, the successful applicant will be expected to curate the invertebrate collection maintained by the Department of Biological Sciences and must provide evidence of curatorial experience and/or other relevant abilities. The invertebrate collection at The University of Alabama contains significant holdings of freshwater mussels, freshwater decapods, and marine invertebrates. Individuals interested in diversifying this actively growing collection are encouraged to apply. Candidates must have a Ph.D. in the Biological Sciences or a related field and postdoctoral (or equivalent job) experience.

A complete application includes (1) an application letter with a list of at least four references (including contact information); (2) CV; (3) statement of research interests and goals; and (4) statement of teaching interests and philosophy. Letters of reference will be requested by the search committee as appropriate. To apply, go to https://facultyjobs.ua.edu/postings/36132, complete the online application (Job #0809229), and upload all requested documents. Questions about the position may be addressed to Dr. Phil Harris (pharris@bama.ua.edu; 205-348-1831). Consideration of applications will begin December 1, 2014 and will continue until the position is filled. For more information about the department, visit our website at http://bsc.ua.edu. Prior to hiring, the final candidate will be required to pass a pre-employment background investigation. The anticipated start date is August 16, 2015.

Additional information about the Department of Biological Sciences and this available position can be found on our website at http://bsc.ua.edu. Applications from women and members of traditionally under-represented groups in Biology are especially encouraged.
The Chemistry Department at the University of Central Florida anticipates hiring a nine-month, tenure-track ASSISTANT PROFESSOR effective fall 2015 with specialization in Environmental Chemistry. We seek broadly trained, collaborative environmental chemists having strong analytical skills and who focus on coastal upland and/or nearshore (wetland, estuarine, or marine) systems or organisms that reside therein. Potential research areas include, but are not restricted to: biogeochemistry, chemical ecology, environmental toxicology, atmospheric, aquatic or soil chemistry, and/or sea-level rise.

The University of Central Florida is strategically invested in interdisciplinary studies of Coastal Systems. This year we are searching for a cluster of five tenure-track faculty in Chemistry (1), Biology (2), and Civil & Environmental Engineering (2). Those who are hired should be interested in interdisciplinary collaborative research in one or more of the other fields. These hires are part of 200 new faculty positions to be hired university-wide in 2015-16, with more hires anticipated in coming years.

Minimum qualifications are a Ph.D. in chemistry or closely related field from an accredited institution, and at least one year of postdoctoral research experience with demonstrated track record of research productivity. It is expected the candidate will teach at both the undergraduate and graduate levels, and externally fund a competitive startup research project. The successful candidate is encouraged to teach in the subject line “Environmental Chemistry Search.”

Review of applications will begin on December 1, 2014 and continue until the position is filled. UCF is an Equal Opportunity/Affirmative Action Employer. All qualified applicants are encouraged to apply. More information is available at http://www.ucf.edu/chemistry/faculty/chemstaff@ucf.edu. Please indicate that you are interested in the Environmental Chemistry position as well as the search chair. FACULTY POSITION in Neurosciences

The Department of Brain & Cognitive Sciences at the University of Michigan invites applications for a tenure-track ASSOCIATE PROFESSOR position. The successful candidate will be expected to have a Ph.D. in neuroscience or a closely related field, and to pursue a vigorous, externally funded research program. UMich focuses on research strengths in cell biology, biochemistry, molecular and cellular neuroscience, and integrates research across multiple scales from molecules to behavior. UMich invites applications from candidates who are interested in teaching and mentoring a diverse student body. UMich actively promotes an inclusive environment and encourages candidates to articulate their contributions to diversity and to broadly contribute to the intellectual and cultural pursuits of the College and University. Individuals who have experience leading diversity initiatives within their academic departments are especially encouraged to apply.

Applications are encouraged from individuals with a background in analytical, mathematical, theoretical, computational, or empirical neuroscience. The successful candidate will be expected to develop and maintain a collaborative, externally funded research program that integrates with the research activities of the Department of Brain & Cognitive Sciences and the Michigan Integrative Cognitive Neuroscience Research Center (MICNeuro), and to contribute to the recruitment of new faculty members. The successful candidate will also be expected to contribute to the State of Michigan Interdisciplinary Program in Neuroscience, the Department of Brain & Cognitive Sciences, the Center for the Study of Complex Systems, and Michigan Integrative Cognitive Neuroscience Research Center.

Applications are encouraged from individuals who are interested in interacting with other departments in the University of Michigan, including neurology, psychiatry, psychology, and other programs in the Life Sciences.

Application information is available at http://www.med.umich.edu/bcs/faculty/positions. Applications should be submitted electronically through the University of Michigan’s online application system, which requires a cover letter, curriculum vitae, a description of research plans and goals, three letters of reference, and a statement of teaching interests. Applications must be submitted by December 1, 2014 and will be reviewed on a rolling basis. Questions about the position can be directed to the search chair, Dr. Andrew S. Roberts (searchchair@umich.edu). More information about the Department of Brain & Cognitive Sciences is available at http://www.med.umich.edu/bcs/index.html. More information about the University of Michigan can be found at http://www.umich.edu. All questions about the position should be directed to the search chair, Dr. Andrew S. Roberts (searchchair@umich.edu). Faculty positions in the Department of Brain & Cognitive Sciences are expected to start in August 2015.

Review of applications will begin on December 1, 2014 and continue until the position is filled. UMich is an Equal Opportunity/Affirmative Action Employer. UMich actively promotes an inclusive environment and encourages applications from individuals who have experience leading diversity initiatives within their academic departments. Women, individuals from underrepresented minority groups, and individuals with disabilities are encouraged to apply.
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