The University of Rochester has a strong commitment to diversity and, in that spirit, actively encourages applications from groups underrepresented in higher education.

**FACULTY POSITIONS IN INTEGRATIVE/SYSTEMS BIOLOGY**

Boston University

The Biology Department (website: http://www.bu.edu/biology/) invites applications for two appointments, pending budgetary approval. Both positions are open to candidates at either the ASSISTANT or FULL PROFESSOR level. Successful candidates will participate in the development of integrative/systems biology both within the Department and as part of a university-wide interdisciplinary initiative in Systems Biology and Bioinformatics (website: http://www.bu.edu/bioinformatics/) for which additional faculty hires are anticipated. Junior candidates will be expected to establish an independent research program with extramural funding and to participate in both undergraduate and graduate teaching. Senior candidates will be expected to play a leadership role in the Systems Biology and Bioinformatics Program, and should also have an interest in future service as chair of a broad-based Biology Department with a commitment to both undergraduate and graduate education.

Please submit a cover letter, curriculum vitae, and statement of research and teaching interests in a single electronic document. E-mail this document and three representative reprints to the Chair of the appropriate search committee and arrange for three letters of reference to be sent independently to the same e-mail address. Review of applications will begin November 15, 2009.

Cell signaling networks: The research area of this appointment will involve the use of state-of-the-art approaches to study cell signaling and gene regulatory networks. Please submit applications to Dr. Ulla Hansen, Chair, Cell Signaling Search Committee, Department of Biology, Boston University at e-mail: cmnsearch@bu.edu.

Evolutionary functional genomics: The research area of this appointment will be a systems level approach to evolutionary ecology and/or functional genomics of nonmodel organisms. Please submit applications to Dr. Michael Sorenson, Chair, Evolutionary Functional Genomics Search Committee, Department of Biology, Boston University at e-mail: ebsearch@bu.edu.

Boston University is an Equal Opportunity/Affirmative Action Employer.

**ASSOCIATE/FULL PROFESSOR POSITION in Pharmaceutical Sciences and Drug Discovery**

Northeastern University is seeking to fill a faculty position at the rank of Associate or Full Professor in the Department of Pharmaceutical Sciences, with joint appointment in the Center for Drug Discovery, which is directed by Professors Alexandros Makriyannis. The ideal candidate will be tenured upon entry with an active, ongoing research program and a track record of substantial, sustained, and currently transferable extramural research funding. Preferred research areas of interest are very flexible but should be within the multidisciplinary scope of modern drug discovery. Participation in the instructional mission of the Department is expected. Northeastern University is ideally located in the heart of Boston, within a short distance of major academic institutions, medical research organizations, and pharmaceutical/biotechnology companies. Applications and nominations that include a cover letter, a statement of current and future research interests, curriculum vitae, and contact information for at least four references should be e-mailed to:

- **Professor Roger Giese**
  Chair, Faculty Search Committee
  Northeastern University
  Department of Pharmaceutical Sciences
  School of Pharmacy
  Bouvé College of Health Sciences
  122 Mugar Life Sciences Building
  Boston, MA 02115
  E-mail: r.giese@neu.edu
  Website: http://www.bouve.neu.edu

Review of applications for this position will commence on October 15, 2009, and will continue until the position is filled. Anticipated hire and start dates in 2010 are May 1 and September 1, respectively.

Northeastern University is an Affirmative Action/Equal Opportunity Employer, Title IX, and particularly welcomes applications from minorities, women, and persons with disabilities.

**ASSISTANT PROFESSORSHIP in Integrative/Systems Biology**

University of Rochester Medical Center

The Center for RNA Biology: From Genome to Evolution, Behavior invites applications from candidates who are recruiting new faculty members over the next several years. Emphasis is being placed on studies of miRNA function and/or the use of miRNAs as therapeutic tools or targets in the fields of stem cell biology, cancer biology, and the biology of inherited or acquired diseases. However, other fields of RNA biology pertinent to biomedical research will be considered. Applicants should explain the connection to climate studies. They should go beyond their current research to outline how they plan to address them. The vision statement should go beyond a précis of the applicant’s research and current research and should explain the connection to climate studies. Applicants should write a vision statement, no longer than two pages, that outlines one or more major unsolved problems in their field and how they plan to address them. The vision statement should go beyond a précis of the applicant’s research and current research and should explain the connection to climate studies. Applicants should write a vision statement, no longer than two pages, that outlines one or more major unsolved problems in their field and how they plan to address them. The vision statement should go beyond a précis of the applicant’s prior and current research and should explain the connection to climate studies.

Applications, including a curriculum vitae, three reprints, and the names and e-mail addresses of three references, who will be contacted automatically, can be submitted online via website: http://jobs.princeton.edu/applicants/Central?quickFind=58397 (strongly preferred) or by surface mail to: Prof. Stephen Pacala, Search Committee Chair, Department of Ecology and Evolutionary Biology, Guyot Hall, Princeton University, Princeton, NJ 08544-0516. Screening of applications will begin 15 November 2009. For information about applying to Princeton and how to self-identify, please link to website: http://web.princeton.edu/sites/sites/visionstatement.htm. We strongly recommend that all interested candidates use the online application process.

Princeton University is an Equal Opportunity Employer and complies with applicable Equal Employment Opportunity and Affirmative Action regulations.
BROADER CAREER CHOICES ON THE HORIZON?

Understanding the brain is considered one of the grand quests of science, partly due to the conviction that the brain holds the key to what makes us human. The other reason is the intricacy of the organ itself, which James Watson has called “the most complex thing we have yet discovered in our universe.” That three-or-so-pound lump of soft tissue, housed within the cranium, has about 100 billion nerve cells or neurons (roughly equal to the number of stars in our galaxy), which form trillions of connections with each other, giving rise to millions of operations going on simultaneously.

By Steve Nadis

Neuroscience encompasses a broad range of attempts to determine how the brain, its many components, and the nervous system as a whole function and, in some cases, malfunction, with one hope being to find remedies for when things go wrong. The good news for anyone contemplating a career in this field is that there is plenty of work ahead, and no shortage of problems to grapple with. The Nobel Prizing–winning neuroscientist Eric Kandel of Columbia University thinks it will take at least a century to understand normal brain processes, as well as major disorders like schizophrenia and depression.

For people operating on a shorter time frame, there is good news as well, for in the past decade or so, there has been substantial progress in this field. Partisans like Robert Desimone, director of the McGovern Institute for Brain Research at MIT, believe “there hasn’t been a better time to go into neuroscience,” owing to the powerful new tools at a researcher’s disposal. The field, according to Desimone, is benefiting from scientific revolutions in genetics and genomics, molecular biology, brain imaging, computer modeling, and so-called “systems neuroscience,” which focuses on how entire brain systems operate rather than looking at individual neurons, genes, and proteins. One area that has just come to the fore involves optogenetic techniques, which allow neuroscientists to selectively manipulate the activity of specific neurons using light.

Although jobs may be tight amidst the current economic slowdown, Desimone is optimistic about the field’s long-term prospects. “Universities will start hiring again, and private companies will start expanding again,” he says. “New opportunities are opening up due to the breathtaking pace of technological development.”

To those still seeking employment, he counsels patience as well as flexibility regarding the types of positions one might consider. Rather than getting fixated on one approach, it’s better for scientists to get broader training that puts them in a position to show competence in any number of new techniques. As for those in senior postdoctoral positions ready for the next step, he says, “Just hang on. Things will turn around.”

Academia is an appealing choice to many in the present economic climate. “There has been a massive [50 percent] increase in the number of Ph.D. applicants this year—270 applicants for six places,” says David Attwell, the University College London (UCL) neuroscientist who oversees the four-year Ph.D. fellowship program funded by the Wellcome Trust charity. And at the postdoctoral level, Attwell says, “As long as the grants keep coming, people will stay in academia longer than they have in the past until outside jobs start picking up again.”

UCL—already a major center of neuroscience with 450 principal investigators on its faculty—is set to expand further, assuming plans of the Wellcome Trust and Gatsby Charitable Foundation are realized to build a $260-million neuroscience institute there. The proposed institute would engage a dozen or more research groups in the task of figuring out how human or animal behavior springs from information processing at the level of neural circuits. continued »
“Our philosophy is that only through basic research can you undertake novel approaches to disease.”
—Morgan Sheng

Meanwhile, new neuroscience complexes are sprouting up elsewhere, including the Ernst Strüngmann Institute in Frankfurt, Germany, named after the founder of the drug company Hexal. Andreas and Thomas Strüngmann, his successors, donated more than $300 million for this facility. This marks the first time Germany’s Max Planck Society has used private money to establish a research institute, says Wolf Singer, director of the Max Planck Institute for Brain Research and interim head of the new institute. “We hope it will set a precedent for other public-private research ventures in Germany.”

The center will create jobs for about 80 to 100 scientists, according to Singer, plus another 40 people for infrastructure. Though the focus will remain flexible, a priority will be placed on primate research, he says. “Given how rare this has become in Europe because of animal research restrictions, my feeling is that once we lose that, it’ll be gone forever.”

Much of what is known about nerve cell processing comes from single-cell recordings, Singer says. “But that’s clearly not the end of the story. The brain is a highly distributed system that uses distributed codes that can only be understood if you look at many cells at the same time.” The coordination of these distributed functions in the brain leads to specific behaviors, he adds. “That’s where animal models are essential. We can look at many nerve cells at the same time while simultaneously charting behavior.”

As the Strüngmann Institute is located on the university’s medical campus, it will take advantage of the availability of patients to probe what Singer calls “the highest integrated functions” and their pathologies. Arguably the most convenient and least invasive way of doing that is through functional magnetic resonance imaging, or fMRI—a technique that measures changes in blood flow and blood oxygen levels in the brain, thereby showing which parts of the brain are activated when people perform various tasks. By virtue of this tool, researchers have gained insights on how healthy brains work, while also identifying signs of brain abnormality.

Consequently, the use of fMRI has exploded worldwide since its invention in the early 1990s. “The last time I checked, 12,000 papers had been published on fMRI-related research since 1992,” says Washington University in St. Louis neuroscientist Marcus Raichle. The number of papers reflects both the excitement at having an unprecedented window into the brain at work and the increased availability of machines themselves. Devices that were once found only in elite radiology centers are now scattered throughout university departments. “The majority of research today is done on machines dedicated to researchers,” Raichle notes.

At first, fMRI was used primarily to explore classical questions involving attention, memory, language, and perception. Its use was later extended to the study of diseases like Alzheimer’s, schizophrenia, autism, and stroke. A relatively new area is to look at the developing nervous system by scanning infants, children, and adults at rest, to chart changes in activity patterns as the brain matures. fMRI scanners also allow Raichle and other researchers to study the brain’s “dark energy”—baseline activities that are unrelated to external stimuli or the performance of overtly visible tasks, yet consume the vast majority of the brain’s energy. “It’s fair to say that a large fraction of the brain’s functional activity is unaccounted for,” notes Raichle, who’s hoping fMRI can help unlock this mystery.

As with functional brain imaging, the emerging technology of neuromyelitis optica is opening up many new doors in the field. A team led by Brown University neuroscientist John Donoghue has implanted sensors in the brains of four quadriplegic patients that connect signals from the motor cortex to output devices, thereby enabling paralyzed patients to move computer cursors, control robotic limbs, and operate wheelchairs. Parallel efforts are under way at many other universities—all sharing the common goal of restoring functions to people with disabilities. The endeavor is bringing new people into neuroscience, including those accomplished in electronics, signal processing, sensor design, and other aspects of engineering.

“The diverse activities now under way illustrate that there are many different ways of being a neuroscientist,” says Claudia Kawas, a neurologist at the University of California, Irvine. “I work on a population study with more than one thousand 90-year-olds. Others in my department are studying learning and memory in sea slugs (aplysia) and songbirds. There are people who rarely see anything other than a cell culture, and those who spend all day looking at computer screens. There are also those who put mice in mazes and genes in mice. There is, in other words, something for everybody.”

Kawas focuses on the aging brain, which is a growth area, partly owing to demographics: In much of the world today, she says, people over 90 comprise the fastest-growing segment continued»
Tufts University

School of Medicine

Faculty Positions in Neuroscience

The Department of Neuroscience (www.neurosci.tufts.edu) at Tufts University School of Medicine is expanding by adding tenure-track faculty positions. Positions are available at Assistant, Associate and Full Professor levels. The department will build on its core strengths and focus on the study of synapses, disorders of the nervous system and neuron-glial interactions. We are seeking candidates who use innovative approaches to investigate problems that cross levels of investigation from molecular and cellular to systems and/or behavioral neuroscience. Candidates using molecular, genetic, electrophysiological and/or imaging methodologies to study neurons, synapses and networks are particularly encouraged to apply. We offer generous start-up packages, newly renovated laboratory space and a highly collaborative environment offering opportunities for both basic and translational research.

Applicants should hold a Ph.D. and/or M.D. degree and have several years of productive postdoctoral experience. Successful candidates will be expected to develop thriving, well-funded research programs and to contribute to graduate and medical education. Please submit electronic applications including a CV, a statement of research interests and the names and email addresses of at least three references to:

neurosci-facultyrecruitment@tufts.edu

TUSM is an Equal Opportunity Affirmative Action Employer. Women and minorities are encouraged to apply.

School of Medicine

Facility Positions Department of Neuroscience

The Scripps Florida campus of The Scripps Research Institute (TSRI) is seeking outstanding applicants for tenure track faculty positions in the Department of Neuroscience at its newly opened, state-of-the-art campus in Jupiter, Florida. TSRI applies integrative molecular genetic, biochemical, biophysical, chemical biology, cell biology, anatomical, and behavioral approaches to elucidate the cellular, molecular, physiological and systems mechanisms underlying brain function.

We are seeking highly qualified, interactive and extramurally funded investigators who will bring and initiate creative research programs. Areas of focus include learning and memory, sleep research, mechanisms of action for anesthetics, and neurogenomics. Drug discovery efforts in CNS disorders such as Alzheimer’s disease, schizophrenia, mental retardation, autism and alcoholism are pursued with the Department. The unique Cores at Scripps Florida, including high-throughput genomic screening, proteomics, crystallography, pharmacokinetics, medicinal chemistry and an ultra high-throughput small molecule facility, offer enabling resources for research in these areas.

Appointments are available at all levels. TSRI offers attractive startup packages and an outstanding intellectual environment for fostering top-tier basic and translational research. In addition, the Max Planck Florida Institute, the first Max Planck Institute in the United States, is under construction adjacent to Scripps Florida, and will offer state-of-the-art bioimaging capabilities.

Interested candidates should submit their Curriculum Vitae, a synopsis of their past, current, and proposed research, and complete contact information for at least three professional references as a single PDF file, to:

Dr. Ronald L. Davis, Chairman, Department of Neuroscience
c/o Hollie Alkema (hollie@scripps.edu)
The Scripps Research Institute, Scripps Florida
130 Scripps Way, Jupiter, Florida, 33458

CHILDREN’S HOSPITAL BOSTON

HARVARD MEDICAL SCHOOL

Neuroscience and Developmental Neuroscience Assistant/Associate Professors

Applications are being considered for full-time, tenure-track positions at Children’s Hospital Boston and Harvard Medical School. The successful candidates will hold either a PhD or MD degree and will join an interactive, cutting edge research team in the Neurobiology Program directed by Clifford J Woolf, MD, PhD, and the Department of Neurology, Children’s Hospital. This program resides within a very strong and collegial research community in neuroscience and related disciplines throughout Harvard Medical School and University. Successful candidates will have research interests relevant to the development, function, or pathology of the nervous system, broadly defined. Modern laboratory space is available in the new Center for Life Sciences Building. We are seeking exceptional scientists to establish vigorous independent research programs, form productive collaborations at the institution, and if appropriate, promote translation of their research. The investigators will hold both Children’s Hospital Boston and Harvard Medical School faculty appointments.

Please submit a current CV, a 2- or 3-page description of research interests and directions, and three to five reference letters. Materials should be sent by December 31, 2009 to: Neuroscience Search Committee, c/o Vicky Migos; Vicky.migos@childrens.harvard.edu.

Equal Opportunity/Affirmative Action Employer.
Neurobiology Faculty Position
University of Maryland School of Medicine
Baltimore, Maryland

The Department of Anatomy and Neurobiology (http://neurobiology.umd.edu) is recruiting for a tenured/tenure-track faculty position in Neuroscience. We are interested in candidates who use multidisciplinary approaches to understand the function or plasticity of the nervous system. Of particular interest are candidates that complement existing strengths in the Department, including sensory, systems, molecular and developmental neuroscience. Candidates should have a strong history of scholarly activity and preference will be given to those with an independent funded research program.

The Department contains new, state-of-the-art laboratories and core facilities. We offer an outstanding intellectual and collaborative environment with highly competitive salary and recruitment packages. All department faculty are members of the Graduate Program in Life Sciences and the interdisciplinary Program in Neuroscience (http://neuroscience.umd.edu).

Candidates should submit the following as one single PDF file to facearch@umaryland.edu: detailed curriculum vitae, a brief statement of research interests and goals, and names/contact information for three references. For best consideration candidates should submit their application by December 1, 2009 and it should be addressed to the attention of: Professor Geoffrey Schoenbaum, Chair of Faculty Search Committee.

University of Maryland, Baltimore is an Equal Opportunity, Affirmative Action Employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply.

Endowed Professorship for Dementia Research
The Department of Neurology and the Neuroscience Center at the University of North Carolina, School of Medicine, Chapel Hill, are seeking candidates with an interest in degenerative neurological diseases that produce cognitive impairment. This will be a full-time faculty appointment as assistant, associate or full professor on the tenure track with rank and tenure determined based on academic qualifications. The qualified candidate will have an M.D. or M.D./Ph.D. and an established record of excellence in research as reflected by peer-reviewed publications and independent external funding. He/she will be expected to conduct a laboratory-based research program investigating pathophysiology of cellular death and dysfunction in neurodegenerative diseases using state-of-the-art cellular and molecular techniques. The position includes an endowed professorship of $1 million, ample modern laboratory space in the UNC Neuroscience Center and a generous start-up package. The UNC Neuroscience Center maintains outstanding Core Facilities that support confocal and multiphoton imaging, vector construction and ES cell electroporation for generation of mouse genetic models, and Affymetrix Gene chip technology for expression profiling and SNP analysis.

Interested candidates who are eligible to obtain a North Carolina medical license should send a cover letter, CV and four letters of reference to: William J. Powers, M.D., H. Houston Merritt Distinguished Professor and Chair Department of Neurology University of North Carolina School of Medicine 170 Manning Drive-Room 2131., CB #7025 Chapel Hill, NC 27599-7025 Telephone: 919 966-8178 powersw@neurology.unc.edu EOE.

Neurobiology Faculty Position
University of Maryland School of Medicine
Baltimore, Maryland

The Department of Anatomy and Neurobiology (http://neurobiology.umd.edu) is recruiting for a tenured/tenure-track faculty position in Neuroscience. We are interested in candidates who use multidisciplinary approaches to understand the function or plasticity of the nervous system. Of particular interest are candidates that complement existing strengths in the Department, including sensory, systems, molecular and developmental neuroscience. Candidates should have a strong history of scholarly activity and preference will be given to those with an independent funded research program.

The Department contains new, state-of-the-art laboratories and core facilities. We offer an outstanding intellectual and collaborative environment with highly competitive salary and recruitment packages. All department faculty are members of the Graduate Program in Life Sciences and the interdisciplinary Program in Neuroscience (http://neuroscience.umd.edu).

Candidates should submit the following as one single PDF file to facearch@umaryland.edu: detailed curriculum vitae, a brief statement of research interests and goals, and names/contact information for three references. For best consideration candidates should submit their application by December 1, 2009 and it should be addressed to the attention of: Professor Geoffrey Schoenbaum, Chair of Faculty Search Committee.

University of Maryland, Baltimore is an Equal Opportunity, Affirmative Action Employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply.

Tenure-Track Faculty Position
Cognitive Neuroscience Department of Neuroscience School of Arts and Sciences University of Pittsburgh

Applications are invited for a tenure-track position at the level of Assistant Professor starting September, 2010, pending budgetary approval. We are particularly interested in recruiting an investigator studying the neural mechanisms of higher cognitive functions in awake, behaving primates. Collegial interactions and collaborative research are widespread within the Department of Neuroscience (http://www.neuroscience.pitt.edu/), and across the extensive neuroscience community found in Pittsburgh. Our integrative research environment is exemplified by the Center for Neuroscience at the University of Pittsburgh (CNP; http://cnp.neurobio.pitt.edu) and the Center for the Neural Basis of Cognition (CNBC; http://www.cnbc.cmu.edu/), which bridges the University of Pittsburgh and Carnegie Mellon University. The successful candidate will be expected to establish an independent research program and participate in teaching of neuroscience to undergraduate and graduate students.

Applications should send electronic copies of curriculum vitae, a brief statement of research accomplishments and goals, and the names and contact information for three references, via email to: nrosc2@pitt.edu. For full consideration, application materials must be received by December 1, 2009. Review of applications will continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

Tenure-Track Faculty Position
Molecular and Cellular Neuroscience Department of Neuroscience School of Arts and Sciences University of Pittsburgh

Applications are invited for a tenure-track position at the level of Assistant Professor starting September, 2010, pending budgetary approval. Individuals whose research is in the area of molecular and cellular neuroscience are especially encouraged to apply. Collegial interactions and collaborative research are widespread within the Department of Neuroscience (http://www.neuroscience.pitt.edu/), and across the extensive neuroscience community found in Pittsburgh. Our integrative research environment is exemplified by the Center for Neuroscience at the University of Pittsburgh (CNP; http://cnp.neurobio.pitt.edu) and the Center for the Neural Basis of Cognition (CNBC; http://www.cnbc.cmu.edu/), which bridges the University of Pittsburgh and Carnegie Mellon University. The successful candidate will be expected to establish an independent research program and participate in teaching of neuroscience to undergraduate and graduate students.

Applicants should send electronic copies of curriculum vitae, a brief statement of research accomplishments and goals, and the names and contact information for three references, via email to: nrosci1@pitt.edu. For full consideration, application materials must be received by December 1, 2009. Review of applications will continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.
The Division of Intramural Research Programs (DIRP) of the National Institute of Mental Health (NIMH) invites applications for up to three independent tenure-track or tenured investigator positions to form a new research program that is: 1) focused on basic or translational aspects of neurodevelopment in model organisms or humans, and 2) potentially relevant to the etiology of, susceptibility to, or resilience to mental illness. Since there are many such aspects of neurodevelopment, this will be a broad search. Examples of possible areas of emphasis can be found at [http://intramural.nimh.nih.gov/careers/pd-ads/neurodev-emphasis.html](http://intramural.nimh.nih.gov/careers/pd-ads/neurodev-emphasis.html). In addition, it is desired to establish a research program that capitalizes on the current resources and scientific strengths of the DIRP. These include a number of existing programs that could interface synergistically with fundamental research in developmental neuroscience. Thus, this search will favor research programs with independent tenure-track or tenured investigator positions to form a new research program that is: 1) focused on basic or translational research interests in developmental neuroscience; 3) have a growing body of publications in this field; and, for investigators at the tenured level, 4) have national and/or international recognition; and 5) have demonstrated leadership experience developing and/or administering a research program.

Research resource packages available within the DIRP include a start-up package plus an annual budget of at least $500K. Salary is commensurate with experience and accomplishments, and a full Civil Service package of benefits (including retirement, health, life, and long-term care insurance, as well as a Thrift Savings Plan, etc.) is available. The DIRP is located on the Bethesda, MD campus, which offers outstanding resources and unparalleled opportunities for interdisciplinary collaborations with scientists throughout the National Institutes of Health (NIH). The NIMH is a major research component of the NIH and the Department of Health and Human Services (DHHS), which have nationwide responsibility for improving the health and well-being of all Americans. Interested applicants should send curriculum vitae, bibliography, statement of research interests (including perspectives on the relevance of their current and planned research to the etiology of mental illness and current DIRP research), accomplishments, and goals, together with three letters of reference to: Dr. Howard Nash, Chair, Search Committee for Neurodevelopment, NIMH, NIH, Bldg. 10, Rm. 4N-222, 9000 Rockville Pike, Bethesda, MD 20892-1381; or e-mail to steyerm@mail.nih.gov. Review of applications will begin on or about December 18, 2009, but applications will continue to be accepted and considered until the positions are filled. Address questions to Dr. Stephen Foote at fstephen@mail.nih.gov

NIH and DHHS are Equal Opportunity Employers

---

### PRIZES

**Call for Nominations
7th Annual Edward M. Scolnick Prize in Neuroscience**

The Edward M. Scolnick Prize in Neuroscience recognizes an outstanding discovery or significant advance in the field of neuroscience. The Prize consists of US $60,000. The recipient presents a public lecture at MIT, hosted by the McGovern Institute.

**Nominating Procedures:** Self-nomination is not allowed. Candidates for the award are to be nominated by individuals affiliated with universities, hospitals, medical schools, and research institutes with a background in neuroscience. Each nomination should include (a) a bi sketch or CV of the nominee, and (b) a letter of nomination (which includes a summary and analysis of the major contributions of the nominee to the field of neuroscience). Up to two representative reprints will be accepted. The winner must be able to attend all events to be awarded the prize.

**Deadline:** The nomination and supporting documentation must be received no later than November 30, 2009. Members of the selection committee and faculty affiliated with MIT are not eligible. Announcement of the award recipient will be made in February 2010.

**Previous Winners:** 2009: Dr. Jeremy Nathans, Johns Hopkins University; 2008: Dr. Michael Davis, Emory University School of Medicine, Atlanta; 2007: Dr. David Julius, University of California, San Francisco; 2006: Dr. Michael E. Greenberg, Children’s Hospital/Harvard Medical School; 2005: Dr. Judith L. Rapoport, National Institute of Mental Health/NIH; 2004: Dr. Masakazu Konishi, California Institute of Technology

The McGovern Institute for Brain Research at MIT conducts integrated research in neuroscience, molecular neurobiology, cognitive science, computation, and related areas.

**Nominations:** Please send nomination and supporting documents to: Committee Chair, Edward M. Scolnick Prize in Neuroscience, McGovern Institute, MIT, 46-3160, 77 Massachusetts Avenue, Cambridge, MA 02139; E-mail: mcgovern@mit.edu. For more information: [http://web.mit.edu/mcgovern](http://web.mit.edu/mcgovern)

The McGovern Institute for Brain Research at MIT is seeking one faculty member at the Assistant Professor level. The McGovern Institute’s general focus is in systems neuroscience with an emphasis on the neural basis of perception, cognition, and action. We are seeking a candidate with a research focus in any of these three areas, using either human subjects or animal models. We would regard it as a plus if the candidate’s work bridges levels using a variety of tools and/or the candidate were interested in translating basic research findings into new ideas for studying the pathophysiology or treatment of brain disorders.

The mission of the McGovern Institute is to understand the relationship of neuronal processes, circuits and computations to behavior, ultimately providing benefits to human health and welfare. Research in the McGovern Institute is expected to help people with brain disorders ranging from sensory system impairments to movement disorders and emotional and cognitive disorders. McGovern Institute scientists have many opportunities for collaboration in a diverse and cutting-edge environment. In the fall of 2005, the Institute moved to occupy a new building, which includes a brain imaging center for human subjects and animals. McGovern Institute members are appointed through an MIT department and will have teaching responsibilities for their home department.

Applicants should submit a curriculum vitae, a summary of current and proposed research programs, a publication list, and should arrange for three letters of recommendation to be sent electronically via Academic Jobs Online (https://academicjobsonline.org/ajou). Please indicate which research model, animal or human, you are using in your cover letter. Consideration of applications will begin on November 1, 2009 and will continue until the position is filled. For more information on the McGovern Institute please visit our website at [http://http://web.mit.edu/mcgovern](http://web.mit.edu/mcgovern).

MIT is an Affirmative Action/Equal Opportunity Employer. Qualified women and minority candidates are especially encouraged to apply.
of the population. Though there are fewer than 2 million people in that category in the United States today, forecasts suggest there will be 10–12 million a few decades from now. Perhaps the biggest concerns for this portion of the population is dementia—including Alzheimer’s, the most common form—and other kinds of cognitive impairment. While getting to the root of Alzheimer’s has proved immensely challenging, there’s the further mystery of “Disease X.” Half the people over 90 who suffer from dementia have no obvious brain pathology, Kawas says. “It’s hard to know how to treat these people because we still don’t know what’s wrong with them.”

“When I started in this field 25 years ago,” she adds, “someone said they’ll cure Alzheimer’s and then there will be nothing to do. I now know that will never happen. We won’t run out of questions to explore. Alzheimer’s, like cancer, is not a single disease, and no single cure will take care of it all.”

Nevertheless, with tens of millions of people suffering from Alzheimer’s worldwide, there is keen interest in finding medical treatments for this disease. And the same holds for Parkinson’s, atrophy lateral sclerosis, and other neurodegenerative ailments.

Like much of the pharmaceutical industry, Eli Lilly and company had focused its central nervous system drug development efforts on psychiatric illnesses, but is now making major forays into neurodegenerative diseases as well. “The need in this area is enormous and growing,” says David Bradt, who oversees the company’s neuroscience research. Lilly currently has two Alzheimer’s drugs in Phase 3 clinical testing (the final phase before seeking FDA approval). One drug blocks an enzyme essential to the formation of amyloid plaques that are thought to cause the disease. The second drug is intended to clear away the peptides that constitute the principal components of the plaque. “We’re getting a clearer understanding of the pathologies—amyloid plaques and their analog in Parkinson’s, Lewy bodies—and how we can thwart their formation,” says Bradt. Psychiatric illnesses like schizophrenia and depression are more mysterious, he adds, because there are no known brain lesions scientists can ascribe to those conditions.

“Neuroscience remains an area of tremendous unmet medical need,” Bradt notes. “With the burden of disease dramatically increasing along with an aging population, it constitutes among the largest therapeutic markets for drugs.”

Genentech, one of the world’s biggest biotech companies (recently purchased by Roche), seems to agree with that assessment. The company put its neuroscience program on hold a decade ago but is now making a renewed push in this area. The time is right owing to recent advances in understanding how the brain works, claims the company’s neuroscience head Morgan Sheng, “coupled with the fact that most diseases of the nervous system are very inadequately treated.”

Genentech is focusing on neurodegenerative conditions, with additional efforts in pain and psychiatric illness. The company, which employs more than 100 postdocs, places a premium on basic (as well as translational) research, encouraging its scientists to publish in top journals. “Our philosophy is that only through basic research can you undertake novel approaches to disease,” Sheng says. “If you leave the basic research to academia, all you can do is react.”

Sheng left a tenure position at MIT as a professor and Howard Hughes investigator, moving to Genentech last year in order to have “a more direct impact on human well-being. My decision relates to the prospect that in the next 10 years we can come up with treatments for brain disease that really help people,” he says. “Obviously, you cannot fully do that in academia; you have to work with a drug company.”

Nevertheless, Sheng believes the wall between academia and industry is not nearly so pronounced as it once was. “There’s a lot of exchange between the two, with the flow going both ways,” he says. “Moreover, the kind of people we’re looking for—good scientists with solid training in multiple aspects of neuroscience—aren’t really different from what academic institutions are looking for.”

It is certainly the case that more career paths are open today, says Thomas Carew, president of the Society for Neuroscience (SNF) and chair of the University of California, Irvine’s Department of Neurobiology and Behavior. “When I started out 30 years ago, there was typically just a single path, which led to university professor. While that’s still the primary goal for many, there are other choices today.” In addition to jobs in industry and journalism, exciting new subfields are opening up for example in law, where neuroethics is playing an important role, and neuroeducation, which involves educational strategies that attempt to capitalize on neuroscience insights.

“Students shouldn’t try to figure out where the field is going,” Carew says. “They should make decisions based on what excites them and where their passion lies.” For those who are unclear as to what the possibilities may be, SNF—which has 38,000 members, a third of whom are graduate students and postdocs—offers an array of professional development programs that highlight various career choices.

One way of easing the transition from research fellow to working professional is through a National Institutes of Health grant. Pathway to Independence Awards, for instance, are specifically designed to smooth the transition from postdoc to independent research. Investigators with novel ideas, especially those who are in the early stages of their careers, might consider applying for New Innovator Awards. A variety of other funding sources can, of course, be pursued. “It’s a spectacular time to be a neuroscientist,” says Story Landis, a neuroscientist who heads the National Institute of Neurological Disorders and Stroke. “There are fantastic opportunities to do great science and really make a difference.”

Steve Nadis is a freelance writer living in Cambridge, Massachusetts.

DOI: 10.1126/science.opms.r0900080
The Institute of Bioengineering and the Brain-Mind Institute at EPFL invite applications for faculty positions at all ranks, from tenure-track assistant professor to full professor, for the newly-launched Center for Neuroprosthetics. The Center, situated between the School of Engineering and the School of Life Sciences, seeks outstanding individuals working in (1) hearing, and (2) other areas of neuroprosthetics, such as invasive and non-invasive sensing and stimulation in restoration of motor control or sensory perception such as vision. The open faculty positions are offered in an environment of both theoretical and experimental research, rich for the development of novel enabling technologies as well as for seeking deeper understanding of fundamental mechanisms underlying the field of neuroprosthetics.

The School of Engineering and the Institute of Bioengineering offer strength in areas that include bio-MEMS/NEMS, bioelectronics, robotics and learning, integrated systems, biomaterials, biophotonics, molecular and computational systems biology, and stem cell biotechnology. The Brain-Mind Institute offers a broader context of neuroscience, with strengths in cognition, behavior, cellular and molecular neuroscience, computational neuroscience, and neurodegeneration, among others.

Excellent experimental infrastructure are available including core facilities in animal physiological and behavioral phenomics, animal and human imaging, quantitative light microscopy, genomics and proteomics, micro- and nano-fabrication, and electron microscopy and surface analysis.

Successful candidates are expected to initiate independent, creative research programs and participate in undergraduate and graduate teaching. Internationally competitive salaries, start-up resources and benefits are offered.

Applications should include a curriculum vitae with a list of publications, a concise statement of research and teaching interests, and the names and addresses (including e-mail) of at least five referees. Applications should be uploaded to:

http://neuroprosthetics-rec.epfl.ch

The deadline for applications is 1 February 2010.

Enquiries may be addressed to:
Prof. Jeffrey A. Hubbell,
E-mail: neuroprosthetics-rec@epfl.ch

For additional information on EPFL, the Schools of Engineering and Life Sciences, the Institute of Bioengineering, and the Brain-Mind Institute, and Institute of Bioengineering, please consult the web sites:

EPFL aims to increase the presence of women amongst its faculty, and qualified female candidates are strongly encouraged to apply.
New York University is establishing a new comprehensive liberal arts campus in Abu Dhabi, the capital of the United Arab Emirates. New York University Abu Dhabi (NYUAD) will consist of a highly selective liberal arts college (Arts, Humanities, Social Sciences, Sciences, and Engineering), distinctive graduate programs, and a world-class Institute for advanced research, scholarship, and creative work. NYU in New York and NYUAD will be integrally connected, together forming the foundation of a unique global network, actively linked as well to NYU’s study and research sites on five continents.

As part of a multi-year hiring plan, NYUAD’s Division of Science, Technology, Engineering and Mathematics invites applications for faculty positions in neural science or neurobiology, at all ranks, to begin September 2010. We are seeking an individual with a strong record of accomplishment in research and a commitment to innovative teaching. Recruited faculty will start by teaching an innovative three-semester course in science called “Foundations of Science,” which is designed to integrate basic concepts from physics, chemistry, biology, and neural science and is required for all science majors at NYUAD. Faculty may spend time at NYU in New York and at its other global campuses. The terms of employment are competitive compared to U.S. benchmarks and include housing and educational subsidies for children.

The deadline for submission is December 1, 2009. Applicants must submit a cover letter, curriculum vitae, statement of research and teaching interests, and the names and addresses of three references in PDF format in order to be considered. Please do not submit preprints or publications at this time. Complete instructions for the application process and additional information can be found at http://nyuad.nyu.edu/human.resources/open.positions.html. If you have any questions, please e-mail nyuad.science@nyu.edu.

NYU Abu Dhabi is an Equal Opportunity/Affirmative Action Employer.

Brown University
Tenure-Track Position in Neuroscience

The Department of Neuroscience of the Warren Alpert Medical School at Brown University invites applications for a tenure-track or tenured position at the level of Assistant or Associate Professor. We strongly encourage applications from women and minorities. Applicants should have a Ph.D. or M.D. degree, postdoctoral research experience, and a record of excellent research. Priority will be given to applicants who address fundamental questions in neuroscience through studies of genes, molecules or cells. The ability to obtain external funding for an independent research program is essential; candidates with existing support are preferred. The successful applicant will participate in the education of undergraduate, graduate, or medical students. Further information about the Department, the Graduate Program, and the Brown Institute of Brain Science is available at http://neuroscience.brown.edu/ and http://www.brainscience.brown.edu/.

Applications will be reviewed on a rolling basis until the position is filled. Applications received prior to November 15, 2009 will receive full consideration. Applicants should submit their curriculum vitae, a description of their research plans, and 3 representative reprints, and should request that 3 letters of recommendation be sent electronically to neurosearch@brown.edu or by mail to:

David Berson, PhD
Search Committee Chair
Department of Neuroscience
Box GL-N
Brown University, Providence, RI 02912

The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.
A commitment to improving the human condition is not undertaken without a basis of substance.

As a globally significant centre of research, the Faculty of Medicine, Nursing and Health Sciences at Monash University is making such a difference – from intellectual, social and ethical perspectives.

Monash researchers are consistently recognised in competitive grant rounds of organisations such as the National Health and Medical Research Council (NHMRC), Australian Research Council (ARC), the Cancer Council and the National Heart Foundation.

As a research-focused faculty within a research-intensive university, we embrace and develop the best technology available – for clients from within the University itself, for external academia, and for industry.

A faculty with a place in the world.

Monash University performs globally relevant research at its campuses in Australia, Malaysia and South Africa, and through our Prato centre in Italy, and has collaborative arrangements with leading international universities.

During 15 – 18 October 2009, we are joining with our partners in the M8 Alliance of Academic Health Centers and Medical Universities – a global network of prestigious medical institutions – to deal with scientific, political, and economic issues related to medicine and public health together with stakeholders from politics and industry worldwide, at the World Health Summit in Berlin.

In 2010, we are launching MBio, a holistic concept encapsulating world-class people, programs and platforms, centred upon a new precinct at Monash University’s Clayton campus in Melbourne, purpose developed as a globally significant focal point for biomedical research.

Our research successes are making a dramatic difference in many areas.

- Regenerative medicine, stem cells and developmental biology
- Cardiovascular disease and thrombosis
- Cancer
- Structural biology and drug development
- Infection and immunity
- Inflammation, allergy and autoimmunity
- Health science, global health, public health and epidemiology
- Rural health
- Indigenous health
- Mental health and cognitive neurosciences
- Men’s and women’s health
- Health education
- Obesity and metabolic neurosciences

At Monash, our research brings real and positive change to people all over the world. www.med.monash.edu
Applications are invited for the combined position of Director of the Science Park Research Division/Chair of the Department of Carcinogenesis at The University of Texas M. D. Anderson Cancer Center, Smithville, Texas. The Department of Carcinogenesis stands uniquely poised to contribute to furthering knowledge of the causes and prevention of cancer due to its integrated multidisciplinary nature. Applicants should have an outstanding record of scientific accomplishments and an international reputation that will benefit the research of the faculty and the stature of the M. D. Anderson Cancer Center. The research program of the Director/Chair should complement and contribute to the research directions of the Department faculty in the broad areas of molecular mechanisms of carcinogenesis, mechanism-driven studies in cancer prevention and/or intervention, genetic susceptibility, epigenetic reprogramming, genomic instability, inflammation/immune responses, signal transduction, DNA repair and cancer stem cells. Preference will be given to candidates with program interests complementing those of the departmental faculty, and interested in working in a highly collaborative, interdisciplinary environment.

The Science Park Research Division/Department of Carcinogenesis is located in Smithville, Texas, approximately 135 miles from the M. D. Anderson Cancer Center’s main campus in Houston and 45 miles from Austin in the scenic Lost Pines area of Central Texas. The Science Park Research Division consists of approximately 300 personnel, including 35 faculty, numerous postdoctoral fellows, and a vibrant Ph.D. program. There are over 130,000 square feet devoted to research, including multiple research laboratory buildings, an animal support facility, a conference center, an office annex, office support and maintenance buildings. The Science Park Division currently has an annual funding level of over $12 million. The new Director/Chair will receive substantial resources to support further growth and development.

Interested individuals should submit a C.V. and brief summary of research interests to:
Department of Carcinogenesis Search Committee
Attn: Alice Burnett
Office of the Provost and EVP
M. D. Anderson Cancer Center
1515 Holcombe Blvd., Unit 118, Houston, TX 77030

M. D. Anderson Cancer Center is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, gender, sexual orientation, age, religion, disability or veteran status except where such distinction is required by law. All positions at The University of Texas M. D. Anderson Cancer Center are security sensitive and subject to examination of criminal history record information. Smoke-free and drug-free environment.

**DIRECTOR OF THE SCIENCE PARK RESEARCH DIVISION/CHAIR OF THE DEPARTMENT OF CARCINOGENESIS**

The University of Texas
M. D. Anderson Cancer Center
Smithville, Texas

**Searching for Director of Key Lab of Antibody Technique of Ministry of Health, Nanjing Medical University, China**

Nanjing Medical University is a key university of Jiangsu Province, China established in 1934 (http://www.njmu.edu.cn). The Key Laboratory of Antibody Technique of Ministry of Health was established in August of 2005 and currently focus on cell antibody, genetic engineering antibody, and antibody drug research & development. The key laboratory is looking for outstanding candidates with Ph.D. degree and less than 50 years old, and with internationally recognized achievements in antibody research. The evidence includes a series of research articles in a certain area published in high impact journals, high citation of the publication, the invitation of oral presentation in international conferences, and the service for international journals and grant review. The successful candidates from China should have Professor position in top universities or research institutes. The successful international candidates should have a tenure-track tenure Associate Professor position. We offer highly competitive salary, benefits packages, and the housing.

Applications should include application form, curriculum vitae, two letters of recommendation, copies of representative publications, as well as copies of other achievement documents. Applications should be addressed to: Mr. Hanzhan Gu at email: ghz@njmu.edu.cn. Tel/Fax: 86-025-86862642.

Details of our employment policy and further information can be obtained at http://app.njmu.edu.cn.

**Assistant Professor in Mammalian Neuroscience**

McLaughlin Research Institute seeks an innovative scientist who can take advantage of the Institute’s strengths in mouse genetics to address important problems in neurobiology, neurological or psychiatric diseases, or related areas. Low animal care costs and transgenic services facilitate mouse-intensive projects that would be cost-prohibitive at many other facilities. Applicants with interests in animal models for human neurological disease, stem cell models or stem cell therapy, novel strategies for genome modification or dissection of cellular function, electrophysiology, or behavior, are particularly encouraged to apply. Candidates should possess a doctoral degree and a record of research excellence as a postdoctoral fellow. Applicants should be capable of developing productive research programs that can compete successfully for grant funding. The willingness and ability to establish both intramural and extramural collaborations is essential. The successful applicant will move into newly renovated laboratory space available in March 2010.

The Institute is a small, non-profit organization located near Montana’s Rocky Mountain front that offers a non-bureaucratic, interactive research environment in a spacious modern research building. Faculty members also benefit from the active involvement of MRI’s Scientific Advisory Committee (Irv Weissman, David Baltimore, David Cameron, Neal Copeland, Jeff Frelinger, Leroy Hood, Nancy Jenkins, and James Spudich). For additional information see www.montana.edu/wwwwri. For specific questions about the Institute, contact George Carlson, John Mercer, John Bermanham, Teresa Gunn, or Deb Cabin at MRI.

Applications, including names and contact information for three to five individuals who may serve as references, should be sent to:
Search Committee
1520 23rd Street South
Great Falls, MT 59405
search@mrri.montana.edu

An Equal Opportunity/Affirmative Action Employer.
Department of Health and Human Services
National Institutes of Health
Intramural Research Programs
NCI, NEI, NHLBI, NIAID, NIDDK, NIMH, NINDS and CIT
Bethesda, MD

Tenure Track/Tenured Positions
In Systems Biology

The NIH Intramural Research Program (IRP) is recruiting outstanding systems biologists at the tenure-track or tenured levels. These individuals will direct independent research programs on the NIH campus in Bethesda, MD and participate in a Trans-NIH Initiative in Systems Biology promoting interaction between experimentalists, theoreticians and computational investigators. Candidates will have demonstrated an ability to conduct outstanding independent biomedical research on key topics in systems biology such as computational modeling of biological processes at various scales, analysis of global datasets, construction and analysis of biological networks, and “omic” scale interrogation of biological systems. The internationally recognized NIH faculty covers a wide range of basic and clinical research topics with a growing strength, support and emphasis on systems biology and informatic approaches to biomedicine.

The NIH IRP promotes creative and innovative science unconstrained by the conventional support mechanisms demanded at academic or private research institutes. Investigators have ready access to and support from state-of-the-art experimental and computational cores and facilities, and a variety of programs to recruit graduate students and post-doctoral fellows.

Candidates must have an M.D. and/or Ph.D., or equivalent doctoral degree, and an outstanding record of research accomplishment and peer-reviewed publications. Recruits will be provided a competitive salary commensurate with experience and qualifications, and will be assigned ample research space, supported positions, operating budget, and start-up funds. Appointees may be US citizens, resident aliens, or eligible foreign nationals. Review of applications will commence on Nov. 1, 2009 and continue until the positions are filled. Please submit a curriculum vitae, brief (not to exceed 3 pages) statement of research interests that includes how you see your research group helping to create a world-class, integrated systems biology effort at NIH, and three letters of reference in .pdf or MS word format only (no paper applications will be accepted) to: http://tenuretrack.nih.gov/apply/

Health Science Administrator

The Division of Comparative Medicine (DCM) within the National Center for Research Resources, a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services in Bethesda, MD, is seeking applicants for a Health Science Administrator (HSA) position. Working closely with the biomedical research community, the HSA has broad responsibilities in the planning, evaluation, and scientific management of the extramural research programs sponsored by DCM. These programs provide support for sophisticated mammalian and non-mammalian resources and repositories of genetically-modified animals, both vertebrate and invertebrate. Through grants, cooperative agreements, and contracts, DCM programs support activities associated with the national primate research centers, primate breeding and resource-related projects, national repositories for induced mutant rodents and other species, development of mammalian and non-mammalian model resources, and a variety of other highly specialized research projects. The DCM programs also support pre- and post-doctoral research training and career development for veterinarians. Applicants for these positions must have a DVM (or equivalent) and PhD degree, and appropriate experience in health or health-related science fields. Salaries are commensurate with experience and full benefit packages (including retirement, health, life, long term care insurance, Thrift Savings Plan participation, etc.) are available. The candidates can view the detailed vacancy announcements along with mandatory qualification and application procedures on the OPM website. To obtain copies of these announcements, you may visit the OPM website at: http://www.usajobs.opm.gov. This vacancy is currently posted under announcement numbers NCCR-09-364075-CR-DE and NCCR-09-364075-CR-MP. Applications must be received by November 5, 2009. To view this vacancy and other job opportunities at NCCR please visit the NCCR website at www.nccr.nih.gov

Bioinformatics Staff Scientist
Research Triangle Park, North Carolina

The Laboratory of Neurobiology is seeking a Staff Scientist with a strong background in computer science, bioinformatics and advanced statistical methodologies to participate in team research on the epigenetic regulation of cellular processes. The position is ideal for a person with proven experience in theoretical sciences interested in applying his or her knowledge to cutting edge biological problems that include control of stem cell lineage, cell differentiation, neuronal development and aging in health and disease. Research by the candidate will be in support of research directed by Dr. Lutz Birnbaumer, a Principal Investigator at the NIEHS in the central-north area of North Carolina. Dr. Birnbaumer’s group at the NIEHS has developed methodology to assess genome-wide changes in the methylation status of genomic DNA at single base-pair resolution. He and his team are using this technology to study the roles of DNA methylation in health and disease. Each experiment generates 40 to 400 million data points that require analysis by investigators familiar with the computer science and statistical tools required to extract understandable associations and differences, including postulation of regulatory networks and mechanisms of cell line differentiation.

Minimum qualifications include a doctoral degree (Ph.D. or equivalent) with a strong background in computer science, bioinformatics, and advanced statistical methodology. Experience or familiarity with modern concepts of epigenetics and regulation of cellular processes will make a candidate particularly suitable. Salary is commensurate with background. For additional information concerning the position, contact Dr. Lutz Birnbaumer at birnbaumer@niehs.nih.gov. For additional information concerning the research projects and publications, visit website: http://www.niehs.nih.gov/research/atalntes/labfs/lifs/index.cfm.

Staff scientist positions within the NIH system are equivalent to research assistant professor positions in academia. The appointments are for 5 years, renewable if deemed appropriate. However, the expectation is that the candidate will move on with a new experience and an enriched list of publications.

Applications from women and minorities are particularly encouraged. To apply, submit a cover letter indicating interests, curriculum vitae and 3 letters of recommendation by December 31, 2009.

Ms. Barbara Curtis (DIR09-09)
National Institute of Environmental Health Sciences
P.O. Box 12233, Mailstop A2-06
111 Alexander Drive, Room A248
Research Triangle Park, NC 27709
E-mail: dir-apps@niehs.nih.gov

The NIH is dedicated to building a diverse community in its training and employment programs.
DEVELOPMENTAL BIOLOGY
FACULTY RECRUITMENT

St. Jude Children’s Research Hospital Comprehensive Cancer Center

The Comprehensive Cancer Center at St. Jude Children’s Research Hospital (St. Jude) seeks motivated investigators for FACULTY positions to do innovative and significant research in developmental biology. Successful applicants will contribute their expertise in developmental biology to multidisciplinary translational research teams focused on improving outcomes for the major pediatric solid malignancies including rhabdomyosarcoma, osteosarcoma and neuroblastoma. Areas of particular interest include muscle development and regeneration, bone development and homeostasis, neural crest development and stem cell biology. Early career investigators interested in contributing to a culture of excellence at St. Jude are particularly encouraged to apply.

The diverse research at St. Jude ranges from discovery-focused and hypothesis-testing basic laboratory studies to clinical trials of specific agents or regimens. We continually seek to translate knowledge acquired through basic research into novel approaches for clinical diagnosis and treatment. Conversely, our clinical and laboratory-based investigators use the challenges encountered in the clinic to help focus the efforts of our research.

The research environment at St. Jude is highly interactive with opportunities to collaborate with investigators in all Departments, including Biochemistry, Chemical Biology and Therapeutics, Developmental Neurobiology, Genetics and Tumor Cell Biology, Hematology, Oncology, Immunology, Infectious Diseases, Pathology, Pharmaceutical Sciences, and Structural Biology. All investigators have access to state-of-the-art shared resources that include proteomics, genomics, bioinformatics, cellular imaging, animal imaging, protein production, molecular synthesis and high throughput small molecule screening. Faculty recruited through this Cancer Center effort will have appointments in one of these academic departments.

St. Jude offers a very competitive package, including generous startup funds, equipment, laboratory space and personnel support. Though external grant support is eventually expected, a major benefit of faculty membership at St. Jude is the presence of continual institutional support throughout one’s faculty career. The new faculty positions will preferably be for early career researchers at the Assistant level, though Associate Members may be considered. The successful applicants may hold a Ph.D. and/or M.D. degree, have at least three years of relevant postgraduate experience, and a demonstrated track record of productivity.

Interested applicants should send a curriculum vitae, 2-3 page summary of research interests and the names of three references to:

Michael B. Kastan, M.D., Ph.D. • Comprehensive Cancer Center Director
St. Jude Children’s Research Hospital • 262 Danny Thomas Place, MS310 • Memphis, TN 38105

St. Jude is an Equal Opportunity Employer and a Drug-Free Workplace.

Applications received by January 5th, 2010 are assured consideration. Application materials should include a cover letter of interest and complete curriculum vitae. References are not necessary for application at this time but may be requested later in the process. Email submissions with attachments are preferred. Please send to:

eexecutive@stjude.org

In lieu of email submission, written application materials may be directed to:

St. Jude’s Office of Human Resources and Search Committee, Department Head PBS
C/o Executive and Faculty Search Group
262 Danny Thomas Place, MS310
Memphis, TN 38105

St. Jude is an Equal Opportunity Employer and a Drug-Free Workplace.

www.stjude.org

The University of Georgia
Department Head of Pharmaceutical & Biomedical Sciences
The University of Georgia College of Pharmacy

The University of Georgia College of Pharmacy invites applications and nominations for the position of Head of the Department of Pharmaceutical & Biomedical Sciences from individuals with experience, vision and leadership in drug discovery/drug development. The successful candidate should be a dynamic individual with a major research interest in drug discovery/development related sciences, including but not limited to synthetic medicinal chemistry, combinatorial chemistry/high throughput screening, bioinformatics, pharmacogenomics, structural biology, computer-assisted drug design, pharmaceutics or molecular & biochemical pharmacology.

The College has just recently completed a new building, adjacent to the present structure which is providing an additional 93,000 gross square feet of new state-of-the-art teaching and research space. For a complete position description and more information, please visit our website at

www.hr.uga.edu/dept-head-pharm.pdf

Applications received by January 5th, 2010 are assured consideration. Application materials should include a cover letter of interest and complete curriculum vitae. References are not necessary for application at this time but may be requested later in the process. Email submissions with attachments are preferred. Please send to:

eexecutive@uga.edu

In lieu of email submission, written application materials may be directed to:

University of Georgia, Human Resources
Search Committee, Department Head PBS
C/o Executive and Faculty Search Group
215 S. Jackson Street, Athens, GA 30602

Confidential requests for information should be directed to Michael Luthi, Executive Recruiter, Executive and Faculty Search Group, University of Georgia, 706-542-1837.

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

The University of Georgia
Department Head of Pharmaceutical & Biomedical Sciences
The University of Georgia College of Pharmacy

The University of Georgia College of Pharmacy invites applications and nominations for the position of Head of the Department of Pharmaceutical & Biomedical Sciences from individuals with experience, vision and leadership in drug discovery/drug development. The successful candidate should be a dynamic individual with a major research interest in drug discovery/development related sciences, including but not limited to synthetic medicinal chemistry, combinatorial chemistry/high throughput screening, bioinformatics, pharmacogenomics, structural biology, computer-assisted drug design, pharmaceutics or molecular & biochemical pharmacology.

The College has just recently completed a new building, adjacent to the present structure which is providing an additional 93,000 gross square feet of new state-of-the-art teaching and research space. For a complete position description and more information, please visit our website at

www.hr.uga.edu/dept-head-pharm.pdf

Applications received by January 5th, 2010 are assured consideration. Application materials should include a cover letter of interest and complete curriculum vitae. References are not necessary for application at this time but may be requested later in the process. Email submissions with attachments are preferred. Please send to:

eexecutive@uga.edu

In lieu of email submission, written application materials may be directed to:

University of Georgia, Human Resources
Search Committee, Department Head PBS
C/o Executive and Faculty Search Group
215 S. Jackson Street, Athens, GA 30602

Confidential requests for information should be directed to Michael Luthi, Executive Recruiter, Executive and Faculty Search Group, University of Georgia, 706-542-1837.

The University of Georgia is an Equal Opportunity/Affirmative Action Employer.
London Research Institute
Lincoln’s Inn Fields Laboratories

Research Group Leaders

Cancer Research UK is the largest independent cancer research organisation in Europe, conducting wide-ranging programmes in basic, applied and clinical research. The London Research Institute (LRI) is Cancer Research UK’s flagship research institute, focussing on the analysis of fundamental biological processes involved in cancer. The Institute’s international staff work in 50 research groups, housed in well-supported laboratories at Lincoln’s Inn Fields in central London, and at Clare Hall in Hertfordshire.

LRI encourages pursuit of ambitious and longer term research programmes at the highest level.

We are seeking innovative scientists to establish independent research programmes at the LRI Lincoln’s Inn Fields Laboratories and to contribute to the Institute’s vibrant scientific programme. The London Research Institute is core-funded by Cancer Research UK. LRI group leaders receive generous Institute core funding for personnel (research fellows, graduate students and technical support), laboratory consumables, and access to the Institute’s comprehensive core technology facilities, backed by a substantial laboratory space and equipment package.

For 2009 recruitment, we are interested in scientists addressing fundamental questions in the areas of:

**Biology of Tissues and Tumours**
- including but not limited to
  - Tumour biology; Tumour-host interactions; Cancer models; Invasion and metastasis

**Cell Regulatory Mechanisms**
- including but not limited to
  - Signal transduction mechanisms; Oncogenes and tumour suppression;
  - Gene expression and chromosome biology

Appointments will be made at junior or senior level according to experience.

Junior appointments are initially for seven years with consideration for promotion in the sixth year.

Informal enquiries may be made by email to
- julian.downward@cancer.org.uk or richard.treisman@cancer.org.uk

For information about the London Research Institute, its staff, and their research interests visit www.london-research-institute.co.uk

Applications should be submitted electronically as a single PDF file to Dr Ava Yeo at the address below.

The documentation must include:
1. Complete CV
2. Past and current research interests (approx 500 words)
3. Future research proposals (1000 - 1500 words)

**AT THE TIME THE APPLICATION IS SUBMITTED**
THREE REFEREES should be instructed to submit letters of recommendation to:

Dr Ava Yeo, Director of Operations, London Research Institute
44 Lincoln’s Inn Fields, London WC2A 3PX, UK.
Email: ava.yeo@cancer.org.uk Confidential Fax (references only): (44)-20-7269-3393

**APPLICATIONS SHOULD BE RECEIVED BY 13th November 2009.**

CANCER RESEARCH UK
The Lundbeck Foundation hereby invites applications for five fellowships which will be granted to especially promising young researchers and their research groups.

The fellowships are awarded for five years, and each individual fellowship amounts to 10 million Danish kroner (approx. 1.3 million Euro).

The fellowships are intended for five researchers in their thirties who will be capable of establishing or developing research groups within the health- or natural sciences. We envisage researchers who have received their Ph.D. degree within the last 5-7 years.

The subject area should be frontline basic or applied research within the scope of the Foundation's grant strategy, as can be seen at www.lundbeckfonden.dk

The fellowships may well attract Danish and foreign researchers from abroad who wish to move to Denmark and continue their research here.

The Lundbeck Foundation is a commercial foundation with considerable shareholdings in the two listed companies H. Lundbeck A/S and ALK-Abelló A/S. Yields from the foundation's capital are used, among other things, to support scientific research primarily within the health sciences but also the biologically oriented natural sciences as well as physics and chemistry. The foundation distributes approx. 230 million DKK (approx. 44 mio. Euro) annually.

The application should be no more than 10 A4 pages, and should include an account of the project's research plan, collaborators, budget and how it is anticipated that the research group will be placed within a Danish research institution. In addition, a C.V. with attached list of scientific publications and letters of recommendation are requested.

The application, written in English, can be made via the Foundation's Electronic Application System for Junior Group Leader Fellowships at www.lundbeckfonden.dk no later than December 15, 2009.

Further information can be obtained by contacting Anne-Marie Engel, Director of Research at the Lundbeck Foundation at +45 39 12 80 17 or at the above e-mail address.
London Research Institute
Clare Hall Laboratories

Research Group Leaders

Cancer Research UK is the largest independent cancer research organisation in Europe, conducting wide-ranging programmes in basic, applied and clinical research. The London Research Institute (LRI) is Cancer Research UK’s flagship research institute, operating on two sites, Lincoln’s Inn Fields in central London, and Clare Hall in Hertfordshire. Research at LRI centres on the analysis of fundamental biological processes involved in cancer, with core interests in signal transduction processes and maintenance of genomic integrity. The Institute’s international staff work in 50 research groups, housed in well-supported laboratories with state-of-the-art scientific support facilities.

The LRI encourages pursuit of ambitious and longer term research approaches at the highest level.

We are seeking innovative scientists to establish independent research programmes at the London Research Institute’s Clare Hall Laboratories and to contribute to the Institute’s vibrant scientific programme. The London Research Institute is core funded by Cancer Research UK and group leaders at the Institute are provided with laboratory space and core personnel (including technical support, research fellows and graduate students) together with generous funding for laboratory equipment and consumables, as well as access to scientific support facilities (including biological resources, transgenic facilities, flow cytometry, confocal microscopy, DNA sequencing, peptide synthesis, etc).

For 2009 recruitment, we are interested in scientists to address questions in the area of:

**Genome Integrity**

Including but not limited to DNA repair mechanisms and regulation; Chromatin biochemistry

**Appointments will be made at junior or senior level according to experience.**

Junior appointments are initially for seven years with consideration for promotion in the sixth year.

Informal enquiries may be made by email to stephen.west@cancer.org.uk or john.diffley@cancer.org.uk

For information about the London Research Institute, its staff, and their research interests visit www.london-research-institute.co.uk

Applications should be submitted electronically as a single PDF file to Dr Ava Yeo at the address below.

The documentation must include in a single document

1. Complete CV
2. Past and current research interests (approx 500 words)
3. Future research proposals (1000-1500 words)

**AT THE TIME THE APPLICATION IS SUBMITTED**

THREE REFEREES should be instructed to submit letters of recommendation to:
Dr Ava Yeo, Director of Operations, London Research Institute
44 Lincoln’s Inn Fields, London WC2A 3PX, UK.
Email: ava.yeo@cancer.org.uk Confidential Fax (references only): (44)-20-7269-3585

APPLICATIONS SHOULD BE RECEIVED BY 13th November 2009.
ASSISTANT AND ASSOCIATE PROFESSORS
THE DEPARTMENT OF EXPERIMENTAL RADIATION ONCOLOGY

The Department of Experimental Radiation Oncology at The University of Texas M. D. Anderson Cancer Center invites applications from researchers using approaches ranging from genetics, cell biology and biochemistry to proteomics and system biology for tenure-track Assistant and Associate Professor positions. The department seeks to complement its existing programs in DNA repair, cell cycle control, growth and proliferation, stem cell biology and epigenetics, especially related to DNA damage response and therapy. Female and minority candidates are encouraged to apply. We offer a very attractive recruitment package, active graduate and post-doctoral training programs, and the unmatched scientific environment of the Texas Medical Center, the world’s largest biomedical center. Applicants must have a Ph.D. and/or M.D. degree, and will be expected to develop an internationally recognized, extramurally funded research program. To apply, please send within a single pdf file: (1) Cover Letter; (2) Curriculum Vitae; (3) Short Research Summary (three page maximum); and (4) Contact information for three references by November 31, 2009, to: expradonc@mdAnderson.org

Junjie Chen, Ph.D.
Professor and Chair
Experimental Radiation Oncology
The University of Texas M. D. Anderson Cancer Center
1515 Holcombe Blvd., Unit 66, Houston, TX 77030

THE UNIVERSITY OF TEXAS
MD ANDERSON CANCER CENTER
Making Cancer History* M. D. Anderson Cancer Center is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, gender, sexual orientation, age, religion, disability or veteran status except where such distinction is required by law. All positions at The University of Texas M. D. Anderson Cancer Center are security sensitive and subject to examination of criminal history record information. Smoke-free and drug-free environment.

Jefferson Science Fellowship

The National Academies is pleased to announce a call for nominations and applications for the 2010 Jefferson Science Fellows program. This program establishes a new model for engaging the American academic science, technology and engineering communities in the formulation and implementation of U.S. foreign policy.

Jefferson Science Fellows will spend one year at the U.S. Department of State in Washington, D.C. and may periodically travel to U.S. foreign embassies and/or missions. Jefferson Science Fellow awards are open to tenured academic scientists, technologists and engineers from U.S. institutions of higher learning. Nominees/applicants must be U.S. citizens and will be required to obtain a security clearance.

Detailed information on the Jefferson Science Fellows program is available on the web:

www.nas.edu/jsf

The deadline for nominations and applications for the 2010 program year is January 15, 2010.

The Jefferson Science Fellows program is sponsored by the U.S. Department of State.

THE NATIONAL ACADEMIES Advers to the Nation on Science, Engineering, and Medicine

Duke University Medical Center

Department of Biochemistry Faculty Position

The Department of Biochemistry, Duke University Medical Center (www.biochem.duke.edu), invites applications for a faculty position at any level. We welcome candidates in all areas of biochemistry and biomolecular sciences. The successful candidate will be expected to establish a strong, independent research program and to participate in departmental teaching and service.

Electronic applications (PDF) should include a curriculum vitae and summary of research interests, and should be sent to: facultysearch@biochem.duke.edu. Recommendation letters should be sent by three referees to the same email address. Consideration of applications will commence in November 2009.

Duke University is an Equal Opportunity/Affirmative Action Employer.

KU Medical Center

Faculty Position in Pharmacology and Toxicology

The Department of Pharmacology, Toxicology, and Therapeutics, under the direction of Curtis Klaassen, Professor and Chair (http://www.kumc.edu/pharmacology/), is continuing its expansion by inviting applications for an Assistant Professor, tenure-track faculty position to augment the strength of our seventeen recent hires. Preference will be given to candidates who have done research in areas, such as nuclear receptors, hepatotoxicity, the metabolic syndrome, nutrition, xenobiotic disposition (ADME), pharmacogenomics, and epigenetics that complement existing strengths in the department and the medical center. This expansion is supported by a Centers of Biomedical Research Excellence (COBRE) grant entitled “Nuclear Receptors in Liver Function and Dysfunction,” training grant in Environmental Sciences, and a new Liver Center. A competitive startup package and appropriate space will be offered in a new 200,000 sq. ft. research building. Standard support facilities are present, including biotechnology, transgenics, and proteomics, and a state of the art brain imaging center. The department also has excellent molecular biology (high-throughput genomics) and LC-MS/MS facilities.

Applications will be reviewed first on November 16, 2009 and until the position is filled. Applicants must be proficient in the use of the English language. Anticipated appointment date is July 1, 2010. Applicants should provide a C.V., statement of research interests, and names of three references. To review the position description and apply on-line go to http://jobs.kumc.edu and search for position J0087652.

The University of Kansas Medical Center is proud to be an Equal Opportunity/Affirmative Action Employer.
Make a Difference.
Help give science a greater voice in Washington, DC! Since 1973, AAAS Fellows have applied their skills to federal decision-making processes that affect people in the U.S. and around the world, while learning first-hand about the government and policymaking.

Join the Network.
Year-long fellowships are available in the U.S. Congress and federal agencies. Applicants must hold a PhD or equivalent doctoral-level degree in any behavioral, social, biological, computational, mathematical, earth, medical/health, or physical science, or any engineering discipline. Individuals with a master's degree in engineering and three years of post-degree professional experience also may apply. Federal employees are not eligible and U.S. citizenship is required.

Apply.
The application deadline for the 2010-2011 AAAS Fellowships is 15 December 2009. Fellowships are awarded in the spring and begin in September. Stipends range from $73,000 to $95,000.

Note: Additional fellowships are available through approximately 30 scientific society partners. Individuals are encouraged to apply with AAAS as well as with any scientific societies for which they qualify.

Full details at: fellowships.aaas.org
FACULTY POSITIONS
Chemistry
NYU ABU DHABI

New York University is establishing a new comprehensive liberal arts campus in Abu Dhabi, the capital of the United Arab Emirates. New York University Abu Dhabi (NYUAD) will consist of a highly selective liberal arts college (Arts, Humanities, Social Sciences, Sciences and Engineering), distinctive graduate programs, and a world-class Institute for advanced research, scholarship, and creative work. NYU and NYUAD will be integrally connected, together forming the foundation of a unique global network university, actively linked as well to NYU’s study and research sites on five continents.

As part of a multi-year hiring plan, New York University Abu Dhabi’s Division of Science, Technology, Engineering and Mathematics invites applications for faculty positions in Chemistry, at all ranks, to begin September 2010. We are seeking an individual with a strong record of accomplishment in teaching and research, with research interests in areas of chemistry such as materials sciences, biomolecular chemistry, or theoretical chemistry. However, outstanding researchers in other areas of modern chemistry will also be considered. Recruited faculty will start by teaching an innovative three-semester course in science called “Foundations of Science,” which is designed to integrate basic concepts from physics, chemistry, biology, and neural science and is required for all science majors at NYUAD. Faculty may spend time at NYU in New York and at its other global campuses. The terms of employment are competitive compared to U.S. benchmarks and include housing and educational subsidies for children.

The deadline for submission is December 1, 2009. Applicants must submit a cover letter, curriculum vitae, statement of teaching and research interests, and the names and addresses of three references in PDF format in order to be considered. Please do not submit preprints or publications at this time. Complete instructions for the application process and additional information can be found at http://nyuad.nyu.edu/human.resources/open.positions.html. If you have any questions, please e-mail nyuad.science@nyu.edu.

NEW YORK UNIVERSITY
ABU DHABI

NYU Abu Dhabi is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR IN CANCER BIOLOGY
THE BEN MAY DEPARTMENT FOR CANCER RESEARCH
THE UNIVERSITY OF CHICAGO

The University of Chicago is seeking outstanding individuals for a tenure-track position at the Assistant Professor level in the Ben May Department for Cancer Research (http://ben-may.bsd.uchicago.edu/) and the University of Chicago Cancer Research Center (http://uccrc.uchicago.edu/). We are a basic research department whose faculty is committed to an interdisciplinary approach to investigate fundamental problems in signal transduction and cancer. We are seeking investigators interested in signaling mechanisms relevant to diverse aspects of tumor biology, including but not limited to tumor microenvironment, tumor metabolism, EMT, stem cells, epigenetics, in vivo imaging, drug discovery, cancer nanotechnology, computational biology, systems biology and genomics.

Departmental faculty have access to outstanding Ph.D. and M.D./Ph.D. students affiliated with graduate degree-granting programs in the Biological and Physical Sciences including the Committees on Cancer Biology, and Genetics and Systems Biology. Candidates should have sufficient research experience to demonstrate both significant accomplishments and outstanding potential. A Ph.D., M.D., or M.D./Ph.D. degree is required. The successful recruit will be expected to teach undergraduate and graduate students.

Qualified applicants must apply online at the University of Chicago Academic Career Opportunities website: academiccareers.uchicago.edu/applicants/Central?quickFind=50668 by uploading a cover letter, CV with bibliography, and research statement. A minimum of three letters of support are required and should be sent by the referee to: Geoffrey Greene, PhD., Search Committee Chair, The Ben May Department for Cancer Research, Gordon Center for Integrative Science, The University of Chicago, 929 East 57th Street, Room W421, Chicago, IL 60637 or via email: ggreene@uchicago.edu. Review of applications will continue until the position is filled.

THE UNIVERSITY OF CHICAGO
The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
FACULTY POSITIONS

The Department of Microbiology and Immunology at the University of Maryland School of Medicine (http://medschool.umaryland.edu/Microbiology) is recruiting new or established investigators with active R01 or equivalent funded research programs in host-pathogen interactions. Highly qualified individuals will be considered for tenure-track positions at the rank of Assistant, Associate and Professor. The Department and the School of Medicine have significant strengths in microbial pathogenesis, vaccine development, HIV biology, genome sciences, inflammation, innate and adaptive immunity, clinical infectious diseases and international medicine. The Department offers excellent laboratory facilities, competitive salary and startup packages, and access to numerous core facilities including state-of-the-art BSL3 and ABSL3 facilities. We are interested in candidates who use multidisciplinary approaches to investigate the interaction of bacterial, viral (non-HIV), fungal or parasitic human pathogens with the host and with a strong desire to interact with other investigators in the institution. Successful candidates are expected to maintain active research programs and participate in department teaching and service opportunities.

Interested applicants are invited to submit the following in a single PDF file to: microfasearch@som.umaryland.edu: (1) detailed curriculum vitae, (2) statement of research interests, goals, and (3) names and contact information for three to five references. Applications should be addressed to the attention of: Chair, Faculty Search Committee.

The University of Maryland, Baltimore is an Equal Opportunity, Affirmative Action Employer.
Tenure Track Positions in Biology
University of Central Florida

The University of Central Florida (UCF) is among the top five national universities in the “Up-And-Coming Schools” category published by U.S. News & World Report. With a total enrollment exceeding 50,000 students and 225 degree programs, UCF has a strong research emphasis and provides competitive startup funds and teaching loads. To support our commitment to conservation biology, UCF invites applications for two tenure track positions: one at the Assistant Professor rank in the area of Evolutionary or Organismal Biology; the other at the Associate or Full Professor rank to serve as the Director of Landscape and Natural Resources.

Evolutionary/Organismal Biologist: The candidate’s research will use innovative molecular approaches to address questions in evolutionary and/or organismal biology. Candidates must have demonstrated ability or strong potential to establish and maintain a vigorous, extramurally funded research program. Candidates must have a Ph.D. and appropriate post-doctoral training in a related discipline. S/he will contribute to the Ph.D. program in Conservation Biology and M.S. program in Biology, and teach graduate and undergraduate courses.

Director, Landscape and Natural Resources: The director is responsible for the development and administration of university-wide landscape and natural resource management policies and will also serve as the UCF Arboretum Director. As such, s/he should have knowledge and expertise in environmental stewardship and management of urban ecosystems. Candidates must have a Ph.D. in a discipline related to urban ecology, horticulture, ecology, sustainable environmental design, environmental education, restoration ecology, landscape management and a record of academic performance commensurate with a tenure position at the Associate or Full Professor level in the Department of Biology.

For complete job descriptions and details on how to apply, see http://biology.cos.ucf.edu/. Review of applications will begin December 1, 2009.

The University of Central Florida is an Affirmative Action/Equal Opportunity Employer. Minorities and women are encouraged to apply. As an agency of the State of Florida, all application materials and selection procedures are available for public review.

IST Austria is looking for

PROFESSORS

and

ASSISTANT PROFESSORS

IST Austria (Institute of Science and Technology Austria) is a new Institute located near Vienna, dedicated to basic research at the highest international level. The Institute invites applications and nominations for Professors and Assistant Professors in Life Sciences, Physical Sciences, Mathematics and Computer Science, as well as in any multidisciplinary field.

The Institute (www.ist.ac.at), established by the Austrian Government, opened its campus in 2009. Its funding is substantial, allowing for over 300 employees and graduate students by 2016. IST Austria is entitled to award Ph.D. degrees and includes an English-language Graduate School. It aims to achieve an international mix of scientists and recruit them solely on the basis of their individual excellence and potential contribution to research.

The Institute is recruiting leaders of independent research groups. Professors will have indefinite contracts and Assistant Professors will have fixed-term contracts for an initial period of five years, with a possible, but not automatic, renewal for two additional years. Before the end of this period, the scientist will be considered for an indefinite appointment as a Professor at IST Austria, the decision being based on merit only (as is the case for a “Tenure-Track Assistant Professor” at U.S. universities).

The selected candidates will receive a competitive salary and a substantial annual research budget, covering operating expenses and the cost of Ph.D. students, postdoctoral fellows, and technical staff. Additional costs of starting a new laboratory, including instruments and infrastructure, will be offered separately. Scientists are also expected to apply for external research grants.

Applications and nominations should be sent to professor@ist.ac.at or assistant.professor@ist.ac.at, depending on the relevant position. Applications must include a CV, a list of publications and a research plan. Nominations should include an appraisal of the achievements and scientific qualifications of the nominee.

IST Austria is committed to increasing female employment in leading scientific positions. Qualified female applicants, as well as handicapped persons with appropriate qualifications, are specifically encouraged to apply.
Tenure Track Faculty Positions in Microbial Genomics/Genetics
Agricultural Biotechnology Research Center
Academia Sinica, Taiwan

Applications are invited for tenure-track research fellow positions at the Assistant or Associate level (equivalent of assistant/associate professor). The successful candidates will be expected to develop a rigorous research program in the field of microbial genomics/genetics. Areas of interest include but are not limited to: molecular plant pathology, environmental microbiology, exploring microbial genomes for enzyme biotechnology, and metabolic engineering of microorganism.

The ABRC will be in a major expansion and is developing an integrated research program in enzyme biotechnology. Several new faculty hires are anticipated over the next several years, and a new research building equipped with state-of-the-art facilities will be opened in December 2009. For more information of ABRC and Academia Sinica, please visit our websites at http://abrc.sinica.edu.tw/ and http://www.sinica.edu.tw/main_e.shtml, respectively.

Qualifications: Ph.D. in microbiology, plant pathology, or related field, postdoctoral experience and knowledge skills in microbial genetics or genomics. We are particularly interested in applicants who are seeking a highly collaborative research environment. Applicants should submit the following materials online, at http://abrc.sinica.edu.tw/jobs/ (a) Cover letter; (b) Curriculum vitae, including publications; (c) A summary of research accomplishments; (d) Clearly focused description of future research plans; (e) PDF copies of major publications; (f) Names and contact information for three referees. Candidates should arrange three letters of recommendation to be submitted by e-mail to: abrc@ gate.sinica.edu.tw or sent by regular mail to:

Faculty Search Committee, Agricultural Biotechnology Research Center, Academia Sinica, No. 128, Academia Rd. Sec. 2, Nankang, Taipei 11529, Taiwan, ROC.

Review of candidates will begin on December 1, 2009 and continue until the positions are filled.

Boston University College of Engineering
Department of Biomedical Engineering

Tenure-track faculty positions in Biomedical Engineering

Boston University is seeking candidates for tenure-track faculty positions in Biomedical Engineering for September 2010. BME at BU is one of the nation’s top-ranked departments, attracting exceptional graduate and undergraduate students. The BME department’s 32 primary faculty members bring in ~$18-20M in external research funding annually. We have strengths in numerous research areas, boast a wealth of research resources and facilities, and have strong ties with the BU School of Medicine, as well as the diversity of other top medical research centers in the Boston area. In both teaching and research, the BME department is known for its highly quantitative approach to biomedical science, with liberal application of engineering principles and physical sciences. As a Coulter Translational Partnership school, faculty are able to translate advances in biomedical research into new applications that make a positive impact on society.

Applications are invited from candidates with research interests in synthetic biology and systems biology as part of a University-wide initiative in these areas; biomedical optics; and single molecule bioengineering. Applications from candidates in other biomedical engineering areas are also invited. Candidates with interdisciplinary research interests that transcend the traditional boundaries of BME are also encouraged to take advantage of opportunities for joint appointments in other College departments, within the Division of Materials Science & Engineering and/or the Division of Systems Engineering.

Review of applications will begin November 15, 2009. Please send pdf files of a CV along with a list of potential references, a statement of research interests, and a statement of teaching interests to:

Chair, BME Faculty Search Committee
bmerecruit@bu.edu

Boston University is an affirmative action, equal opportunity employer committed to increasing the cultural and intellectual diversity of its faculty.

The Jackson Laboratory, a nonprofit, biomedical research institution, located in Bar Harbor, ME, has an opening for a Director of Educational Programs, beginning on or around February 1, 2010.

The Director of Educational Programs, who will report directly to the Chair of Research, will be responsible for development, implementation, and ongoing management and evaluation of Jackson’s K-16 educational programs, especially our highly successful and internationally recognized summer research program for high school and college students. The Director will also prepare competitive grant requests to support current and future programs that further the educational mission of The Jackson Laboratory. Additionally, the Director serves as liaison to local, state and national education groups on behalf of The Jackson Laboratory in our efforts to maintain public and peer recognition as a leader in science education.

The successful candidate will have knowledge of biomedical research, normally acquired through attainment of a Doctoral degree in Biology or a closely related field, a working knowledge of science education and experience in preparing education grants and mentoring students in science education. The successful applicant will need to demonstrate communication skills which permit clear and effective exchange of complex technical information with other advanced scientific professionals. To learn about our educational programs please go to http://education.jax.org/index.html.

We encourage all interested applicants to apply online at www.jax.org/careers. Deadline for applications is November 9, 2009 with interviews to begin shortly after the closing date.

The Jackson Laboratory is an EOE/AA employer.

The Jackson Laboratory, 600 Main Street, Bar Harbor, Maine 04609

OLD DOMINION UNIVERSITY
CHAIR
DEPARTMENT OF OCEAN, EARTH & ATMOSPHERIC SCIENCES

Old Dominion University invites applications and nominations for the position of Chair, Department of Ocean, Earth and Atmospheric Sciences (OEAS) in the College of Sciences. We seek an outstanding scholar in Oceanography, Earth and Atmospheric Science, or a related discipline, with demonstrated excellence in research, international recognition, consistent peer-reviewed research grant funding, and a strong commitment to educational programs. The successful candidate will provide leadership to further enhance the Department’s excellent research and educational programs and a strong commitment to teaching and mentoring of junior faculty, post-doctoral fellows, and graduate and undergraduate students. The appointment will be at the rank of professor with tenure, with a competitive salary. The position will be available in May 2010. The OEAS Department is nationally ranked and currently includes 22 full-time faculty, 5 research faculty, and 13 staff members. The Department has graduate and undergraduate programs of high quality, granting a Ph.D. degree in Oceanography and M.S. and B.S. degrees in Ocean and Earth Sciences. The Department receives substantial State support and is well funded by extensive peer-reviewed grants from federal agencies. An endowment of approximately $16 million provides additional support for programs within the Department. The Department of OEAS includes two research centers, the Center for Quantitative Fisheries Ecology and the Center for Coastal Physical Oceanography, and maintains a 55-foot research vessel, the R/V Slover. More information on the Department can be found at http://se.odu.edu/oceanography.

Located in Norfolk, Virginia, Old Dominion University (www.odu.edu) is a state-supported research intensive campus enrolling more than 23,000 students, of which 6,000 are graduate students. Norfolk is a culturally rich, historic city and a major international maritime center in a metropolitan area of over 1.5 million people. Norfolk is one of the seven cities comprising Hampton Roads, located on the Chesapeake Bay, one of the world’s largest estuarine systems. It is a center of research development in marine science, ship design and construction, and other areas of advanced technology.

Interested candidates should submit a curriculum vitae, a statement of research and teaching interests, and contact information for four referees to Dr. Cull Dodge, Chair of the OEAS Search Committee, Department of Physics, Old Dominion University, Norfolk, VA 23529, or electronically to OEASChair@odu.edu. The review of applications will begin on December 1, 2009, and continue until the position is filled.

Old Dominion University is an affirmative action/equal opportunity institution and requires compliance with the Immigration Reform and Control Act of 1986.
Core Faculty Member – The Broad Institute of MIT & Harvard

The Broad Institute and MIT seek applications for a tenure-track faculty position. The individual would serve as a Core Faculty Member at the Broad Institute and an Assistant or Associate Professor in any appropriate department in the Schools of Science or Engineering at MIT, except for the Department of Biology. The faculty appointment will commence after completion of a doctoral degree.

Broad is a research partnership of MIT, Harvard and the Harvard teaching hospitals, with the goal of applying systematic approaches to understand fundamental problems in biology and medicine. Core Members have faculty appointments in a department at MIT or Harvard (with the same rights and responsibilities as any other member of their department). Their primary laboratory space is at Broad and they have full access to the scientific and technical community at Broad. In addition to the Core Members, the Broad community includes over 100 Associate Members (whose space is primarily at their home institution) drawn from Harvard and MIT, as well as professionally managed scientific ‘platforms’ that work together with Core and Associate faculty to tackle projects that benefit from new technologies or various kinds of scale.

In short, Broad is a collaborative and supportive community where young faculty can pursue ambitious biological questions of their choosing – enriched, as desired, by interactions with colleagues from across MIT and Harvard, and by access to unusual scientific capabilities.

We seek outstanding scientists whose independent research program would thrive in this environment. The search is open with regard to the biological question of interest, with regard to approach, and with regard to system (ie, model systems or human). We encourage candidates whose research will bring new areas of inquiry at Broad, as well as candidates whose work relates to current Broad research in areas such as genomics, medical genetics, cancer, microbiology and infectious disease, chemical biology, cell and systems biology, stem cells, epigenetics, neurobiology, metabolism, and computational biology.

Faculty members at MIT conduct research, teach undergraduate and graduate courses and supervise graduate and undergraduate participation in research. Candidates must show promise in teaching as well as in research.

Additional information about the search can be found at http://www.broadinstitute.org/careers.

We require that applicants submit a curriculum vitae, summary of current and proposed research programs, and three letters of recommendation online at www.academicjobsonline.org. We request that your letters of reference be submitted by the reviewers online via academicjobsonline.org. Alternatively, they may be submitted as PDF attachments emailed to facultysearch@broadinstitute.org or as paper copies mailed to: Faculty Search Committee, Broad Institute, Attn: Keri Stalker, 7 Cambridge Center, Room 7023, Cambridge, MA 02142.

MIT and The Broad Institute are equal opportunity/affirmative action employers, and we encourage applications from women and underrepresented minorities.

Consideration of completed applications will begin on November 1, 2009 and may continue until the job is filled.

---

Post-doctoral Positions Available Immediately

Dana-Farber Cancer Institute, Department of Cancer Immunology and AIDS, is seeking Research Fellows to join a dynamic team engaged in studying lentiviral pathogenesis and host immunity using primate models. We seek to use passive immunization as a tool to develop neutralizing antibody response-based AIDS vaccines. Using recombinant antibody technology, we also seek to define new neutralization targets. The positions offer training in primate immunology, lentivirology, and vaccine development. Ph.D. in immunology, molecular biology, or related field is required; a virology background is a plus. The positions involve a joint appointment at Harvard Medical School and the Dana-Farber Cancer Institute.

Interested candidates should send their CV and the names of three references by e-mail to:

Dr. Ruth Ruprecht
Dana-Farber Cancer Institute
44 Binney Street
Boston, MA 02115

e-mail: ruprecht_lab@dfci.harvard.edu

Applicants must be residing within the U.S. or eligible to work in the U.S. within 90 days.

ASSISTANT PROFESSOR – CHEMISTRY – the Department of Chemistry at the University of Alabama at Birmingham seeks candidates for a tenure-track faculty position at the assistant professor level in NANOMATERIALS with applications in nanoscale therapeutics and biomedical imaging. We are especially interested in an individual whose research interests involve synthesis of polymeric nanomaterials of biomedical relevance. The faculty member will be affiliated with the Center for Nanoscale Materials and Biointegration (CNMB – www.uab.edu/cnmb) at UAB and will have access to the core facilities supported by the center. Partial support for this faculty position is provided by the National Institute of Biomedical Imaging and Biotechnology (NIBIB) under a P50 grant mechanism with funds from the American Recovery and Reinvestment Act (ARRA) of 2009. Candidates with research experience that complement existing strengths within the Department and School will be given preference.

The University of Alabama at Birmingham (UAB) is a comprehensive research university and medical center with over 2,000 full-time faculty and over 16,874 students for Fall, 2009. UAB is ranked among the top tier research universities in terms of federal grant support. The Department of Chemistry offers B.S. (ACS-Certified), M.S., and Ph.D. degrees and has major research thrust areas in drug discovery, structural biochemistry, biophysical chemistry, and polymer/advanced materials. Applications will be considered beginning December 1, 2009. Applications past that date will be considered until this position is filled. Candidates must have a Ph.D. degree in chemistry, postdoctoral or equivalent experience, and a commitment to teaching excellence at undergraduate and graduate levels.

Qualified applicants should send a letter indicating their interest, detailed curriculum vitae, description of research plans, a statement on their teaching experience and philosophy, and the names and contact information of a minimum of four references. At least one reference should be able to address your teaching potential, experience, and ability. Electronic submissions are encouraged and should be sent to Ms. Laura Knighten (knighton@uab.edu), or mailed to the Department of Chemistry, Nanomaterials Faculty Search, University of Alabama at Birmingham, Suite 201, 1530 3rd Avenue South, Birmingham, AL 35294-1240.

The Department of Chemistry and the University of Alabama at Birmingham are committed to building a culturally diverse workforce and strongly encourage applications from women and individuals from underrepresented groups. UAB has an active NSF-supported ADVANCE program and a Dual Career Assistance Program to support and offer resources to help spouses and partners of newly recruited UAB faculty. UAB is an Affirmative Action/Equal Employment Opportunity Employer. This position will be advertised in Science, Chemical & Engineering News, Diverse, and American Women in Science.
Applications are invited for tenure-track research fellow positions at the Assistant or Associate level (equivalent of assistant/associate professor). The successful candidates will be expected to develop a rigorous research program in the field of plant biochemistry. Areas of interest include but are not limited to: biotic and abiotic stresses, secondary metabolism, enzymology, cell wall biosynthesis and degradation, and metabolic engineering or metabolic changes in response to disease or environmental stresses in crop or medicinal plants.

The ABRC will be in a major expansion and is developing an integrated research program in enzyme biotechnology. Several new faculty hires are anticipated over the next several years, and a new research building equipped with state-of-the-art facilities will be opened in December 2009. For more information of ABRC and Academia Sinica, please visit our websites at http://abrc.sinica.edu.tw and http://www.sinica.edu.tw/main_e.shtml, respectively.

Qualifications: Ph.D. in Plant Biochemistry/Molecular Biology or related field, postdoctoral experience and knowledge in plant metabolism. We are particularly interested in applicants who are seeking a highly collaborative research environment. Applicants should submit the following materials online, at http://abrc.sinica.edu.tw/jobs/ (a) Cover letter; (b) Curriculum vitae, including publications; (c) A summary of research accomplishments; (d) Clearly focused description of future research plans; (e) PDF copies of major publications; (f) Names and contact information for three referees. Candidates should arrange three letters of recommendation to be submitted by e-mail to: abrc@gate.sinica.edu.tw or sent by regular mail to:

Faculty Search Committee, Agricultural Biotechnology Research Center, Academia Sinica, No. 128, Academia Rd. Sec. 2, Nankang, Taipei 11529, Taiwan, ROC. Review of candidates will begin on December 1, 2009 and continue until the positions are filled.

The DEPARTMENT OF GENETICS invites applications to fill SEVERAL TENURE-TRACK POSITIONS at the ASSISTANT, ASSOCIATE, and/or FULL PROFESSOR level

We are interested in outstanding scientists with innovative research programs in any area of genetics and/or genomics. Candidates should have a Ph.D. and/or M.D. degree and a clear record of creative achievement. The predominant criteria for appointment in the University Tenure Line are a major commitment to research and teaching.

The Department of Genetics at the Stanford University School of Medicine offers a highly collegial and interdisciplinary environment that spans clinical medicine, human genetics, model-organism genetics, and genome-scale approaches. For more information, see http://genetics.stanford.edu.

Candidates are encouraged to apply electronically before December 1, 2009 with curriculum vitae and a statement of research and teaching interests, in one pdf file, with your last name in the subject line, to: genetics-search@stanford.edu. Applicants for the Assistant Professor position should also arrange to have three letters of evaluation sent to:

Michael Snyder, Chair
Department of Genetics
300 Pasteur Drive, Alway M344
Stanford, CA 94305-5120

genetics-search@stanford.edu

Stanford University is an Equal Opportunity Employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and members of minority groups, as well as others who would bring additional dimensions to the University’s research, teaching, and clinical missions.

Applications are invited for faculty positions at the Assistant or Associate Professor levels in the Protein Sciences Program at Cincinnati Children’s Hospital Medical Center (http://www.cincinnatichildrens.org/research/div/devbiology/protein.htm). This program seeks to bring together outstanding scientists in the general areas of biochemistry, chemical biology, protein engineering/evolution/design, and structural biology who share an interest in studying the molecular basis of normal embryonic development and pediatric disorders. We are especially interested in individuals with expertise in the study of post-translational modifications of proteins, in-vivo imaging of molecular interactions, medicinal chemistry or lipid biology, with an emphasis on inter-disciplinary approaches to address a fundamental problem in development or disease. The successful candidate will have PhD, MD or MD-PhD degrees and at least two years of post-doctoral research experience. The Division occupies outstanding new research space in a state-of-the-art, 450,000 square-foot building that opened in December 2007. Division faculty may join the multi-disciplinary graduate program in Molecular and Developmental Biology.

Interested candidates should send an application letter, two-page statement of research interests, including past accomplishments and future goals, CV, and the names and addresses of three references to: Rashmi Hegde, PhD, Chair of the Search Committee, PBPpositions@cchmc.org

Cincinnati Children’s Hospital Medical Center is an Affirmative Action/Equal Opportunity Institution. Women and Minorities are encouraged to apply.

The University of Florida is an equal opportunity employer.
Faculty Positions at the Interface of Mathematics and Biology

As part of a major initiative associated with the National Institute for Mathematical and Biological Synthesis (NIMBioS), the University of Tennessee, Knoxville, seeks two outstanding researchers to expand our highly active research groups at the interface of mathematics and biology. We seek individuals who will reach across traditional boundaries to develop transformative science, making use of exciting new developments in the life sciences, mathematics and computational science. These are tenure-track positions at levels appropriate to experience.

• **Animal Infectious Disease Modeling:** We seek an outstanding scientist with a strong record of research in the mathematics and modeling of animal infectious diseases, to start August 1, 2010. A Ph.D. is required and a DVM/VMD or equivalent degree would be beneficial. Post-doctoral experience is preferred. A commitment to excellence in teaching is expected. Teaching responsibilities will include graduate-level courses appropriate for a diverse group of biology, mathematics, wildlife and veterinary students. We seek a creative colleague who will develop an innovative research program using mathematical approaches to address fundamental and applied questions in animal infectious disease. This position may be based in the College of Veterinary Medicine (Department of Comparative Medicine or Pathobiology) or the Department of Forestry, Wildlife and Fisheries, or the Department of Mathematics, with possible joint appointments between these or other units.

• **Mathematics for Biology at Below-Organism Level:** We seek an outstanding researcher with a strong record in the mathematics and modeling of biological systems below-organism level. A Ph.D. is required and post-doctoral experience is preferred. A commitment to excellence in teaching at both undergraduate and graduate levels is expected. Teaching responsibilities will include graduate-level courses in the area of the applicant that would be appropriate for a diverse group of biology and mathematics students. Candidates are expected to have sufficiently strong mathematics experience appropriate for appointment to the faculty of Mathematics or the faculty of Electrical Engineering and Computer Science, although base and joint appointments are also possible in other units including the Department of Biochemistry, Cellular and Molecular Biology and the Department of Microbiology.

UT has active interdisciplinary research groups across many areas of biology and mathematics including epidemiology and offers an exciting environment for collaborative research with colleagues from many units at UT and from Oak Ridge National Laboratory. For information about NIMBioS, visit [http://nimbios.org](http://nimbios.org). Candidates for positions should apply to:

Dr. Louis J. Gross
National Institute for Mathematical and Biological Synthesis
University of Tennessee, Knoxville, TN 37996-1527
faculty-searches@nimbios.org

Applicants should send electronic copies of their CV, statements of research and teaching goals, and up to 5 reprints, and should arrange for three reference letters to be submitted. Applications will be reviewed beginning November 13, 2009.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

---

**GRADUATE PROGRAM**

**Master in Biotechnology Management**

Recent advances in life sciences have brought about a revolution in the biotechnology industry. To face these new challenges and meet the resulting business opportunities, IE Business School offers an innovative and challenging Master’s program in Biotechnology Management, which combines general business knowledge with specialized industry know-how.

The program is aimed at professionals from either a scientific or management background looking to jump-start or further their careers within the biotech industry.

Our program methodology reflects today’s international business environment, where cross-cultural teams work on global projects regardless of their geographic location. You will not have to leave your residence or work place for extended periods of time to pursue a truly rewarding learning experience.

IE Business School 4th in Europe (Financial Times European Business Schools ranking December 08).

For more information about this program, please visit: [www.ie.edu/biotech](http://www.ie.edu/biotech)

Admissions contact: biotech@ie.edu

IE Business School, Madrid, Spain • Tel. + 34 91 568 96 10

[www.ie.edu/business](http://www.ie.edu/business)
ORGANIC CHEMISTRY COLLEGE OF NATURAL SCIENCES AND MATHEMATICS
Department of Chemistry and Biochemistry
California State University, Fullerton
The Department of Chemistry and Biochemistry at California State University, Fullerton invites applicants for a full-time, tenure-track position at the ASSISTANT PROFESSOR level beginning fall 2010. The successful candidate must be committed to excellence in teaching, research, and mentoring undergraduate students. Responsibilities will be in organic chemistry lecture and laboratory courses at the undergraduate and graduate levels. Applicants must have a Doctorate in chemistry, postdoctoral research experience, and the potential to develop a vigorous research program involving undergraduate and graduate students that attracts external funding and leads to refereed publications. Research interests in all areas of organic and related chemistry will be considered, but preference will be given to candidates whose research could lead to cross-disciplinary collaboration with other faculty in chemistry, biochemistry, ecology, biology, and/or other areas. Additional information is available from websites: http://chemistry.fullerton.edu directory. html and http://diversity.fullerton.edu. Applicants should send print copies of a letter explaining how they meet the qualifications outlined above, curriculum vitae, statements of teaching philosophy, research plans and goals and should arrange to have three signed letters of recommendation from individuals familiar with their teaching and research potential sent to Chair, Chemistry Search Committee, Department of Chemistry and Biochemistry, California State University, Fullerton, P. O. Box 6866, Fullerton, CA 92834-6866. Review of applications will begin December 1, 2009, and will continue until a suitable candidate is appointed. The University is committed to commensurate with experience and qualifications. CSUF is an Equal Employment Opportunity/Titk IX/503/504/ VEVRA/ADA Employer. Women and minority candidates are particularly encouraged to apply.

ASSISTANT PROFESSOR
Computational Evolutionary Biology
University of Michigan
The Department of Ecology and Evolutionary Biology (EEB) at the University of Michigan invites applications for a tenure-track Assistant Professor position in computational evolutionary biology. This position is part of a coordinated effort to enhance existing strengths in computational sciences across multiple departments. We seek outstanding individuals with primary research and teaching interests in any area of computational evolutionary biology, including, for example, molecular evolution, evolutionary genomics, evolutionary systems biology, population and quantitative genetics, phylogenetics and phylogeography, and evolutionary theory. Computational biologists with or without an empirical laboratory component to their research programs are encouraged to apply. Opportunities also exist for using the large collections in the Museum of Zoology and Herbarium. For further information about EEB, please see website: http://www.eeb.umich.edu.

To apply, please send electronically a single PDF file that includes a curriculum vitae, statement of current and future research plans, a statement of teaching philosophy and experience, evidence of teaching excellence, and copies of publications to: e-mail: cebsearch@umich.edu. Please also arrange to have three letters of recommendation sent directly to the above e-mail address. Review of applications will begin on November 15, 2009. Women and minorities are encouraged to apply, and the University is supportive of the needs of dual career couples. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
Montana State University
Department of Cell Biology and Neuroscience
The Department of Cell Biology and Neuroscience at Montana State University invites applications for a tenure-track position at the ASSISTANT or ASSOCIATE level. We seek a NEUROSCIENTIST with interests, skills, and innovative approaches that complement those of our current faculty. We are particularly interested in candidates who employ genetic and/or imaging and other approaches to understand the molecular basis of emotional learning. Successful candidates will be expected to initiate and maintain a nationally competitive, vigorous, externally funded research program and teach at the undergraduate and graduate levels. Teaching would involve two courses a year in development, pharmacology, molecular biology, or psychology. This is a nine-month position with complete salary support that can be augmented in the summer and academic year with grant funds. Applicants should send curriculum vitae, a two-page summary of research accomplishments and future plans, and the names and addresses of three references, electronically and in PDF format, to Lisa M. Williams, Search Committee Chair, Department of Cell Biology and Neuroscience, via the SUNY Upstate Medical University e-mail: sneher@uw.edu. Review of applications will begin on December 1, 2009, and continue until the position is filled (see website: http://www.montana.edu/cbn).

POSITIONS OPEN
NEW ASSISTANT PROFESSOR RECRUITMENT: The molecular basis of emotional learning
The University of Washington School of Medicine requests applications for a tenure-track Assistant Professor of pharmacology and psychiatry and behavioral sciences. We seek highly qualified individuals who are currently holding postdoctoral or non-tenure-track faculty appointments and have strong research training and productivity using cutting edge molecular techniques applied to animal models of developmental, epigenetic, or synaptic bases of emotional learning. This position requires a Ph.D. The successful candidate will initially be supported by a program grant (F30) from the National Institute of Mental Health and the National Institute of Aging. Dr. Michael Granger, Search Committee Chair, Department of Cell Biology and Neuroscience, invites applications for a new tenure track position in the University of Washington School of Medicine. The research environment is dynamic and ranges from molecular pharmacology to animal models of psychiatric disorders. University of Washington faculty engage in teaching, research, and service; the successful candidate can participate in graduate training in pharmacology and in interdisciplinary programs in neurobiology and behavior, molecular and cellular biology, and molecular medicine. For full consideration, applications should be submitted electronically as a single PDF containing a cover letter describing accomplishments and future directions, a complete curriculum vitae, and a representative research publication to e-mail: moffatj@upstate.edu and should arrange for three letters of recommendation to be submitted electronically to the SUNY Upstate Medical University. Applications will be considered until the position is filled. More description of the new position and the departmental programs can be found at website: http://depts.washington.edu/phcol/.

The University of Washington is an Affirmative Action/Equal Opportunity Employer. Women and underrepresented minority individuals are strongly encouraged to apply.

POSITIONS OPEN
NEW ASSISTANT PROFESSOR RECRUITMENT: The molecular basis of emotional learning
The University of Washington School of Medicine requests applications for a tenure-track Assistant Professor of pharmacology and psychiatry and behavioral sciences. We seek highly qualified individuals who are currently holding postdoctoral or non-tenure-track faculty appointments and have strong research training and productivity using cutting edge molecular techniques applied to animal models of developmental, epigenetic, or synaptic bases of emotional learning. This position requires a Ph.D. The successful candidate will initially be supported by a program grant (F30) from the National Institute of Mental Health and the National Institute of Aging. Dr. Michael Granger, Search Committee Chair, Department of Cell Biology and Neuroscience, invites applications for a new tenure track position in the University of Washington School of Medicine. The research environment is dynamic and ranges from molecular pharmacology to animal models of psychiatric disorders. University of Washington faculty engage in teaching, research, and service; the successful candidate can participate in graduate training in pharmacology and in interdisciplinary programs in neurobiology and behavior, molecular and cellular biology, and molecular medicine. For full consideration, applications should be submitted electronically as a single PDF containing a cover letter describing accomplishments and future directions, a complete curriculum vitae, and a representative research publication to e-mail: moffatj@upstate.edu and should arrange for three letters of recommendation to be submitted electronically to the SUNY Upstate Medical University. Applications will be considered until the position is filled. More description of the new position and the departmental programs can be found at website: http://depts.washington.edu/phcol/.

The University of Washington is an Affirmative Action/Equal Opportunity Employer. Women and underrepresented minority individuals are strongly encouraged to apply.

POSITIONS OPEN
NEW ASSISTANT PROFESSOR RECRUITMENT: The molecular basis of emotional learning
The University of Washington School of Medicine requests applications for a tenure-track Assistant Professor of pharmacology and psychiatry and behavioral sciences. We seek highly qualified individuals who are currently holding postdoctoral or non-tenure-track faculty appointments and have strong research training and productivity using cutting edge molecular techniques applied to animal models of developmental, epigenetic, or synaptic bases of emotional learning. This position requires a Ph.D. The successful candidate will initially be supported by a program grant (F30) from the National Institute of Mental Health and the National Institute of Aging. Dr. Michael Granger, Search Committee Chair, Department of Cell Biology and Neuroscience, invites applications for a new tenure track position in the University of Washington School of Medicine. The research environment is dynamic and ranges from molecular pharmacology to animal models of psychiatric disorders. University of Washington faculty engage in teaching, research, and service; the successful candidate can participate in graduate training in pharmacology and in interdisciplinary programs in neurobiology and behavior, molecular and cellular biology, and molecular medicine. For full consideration, applications should be submitted electronically as a single PDF containing a cover letter describing accomplishments and future directions, a complete curriculum vitae, and a representative research publication to e-mail: moffatj@upstate.edu and should arrange for three letters of recommendation to be submitted electronically to the SUNY Upstate Medical University. Applications will be considered until the position is filled. More description of the new position and the departmental programs can be found at website: http://depts.washington.edu/phcol/.

The University of Washington is an Affirmative Action/Equal Opportunity Employer. Women and underrepresented minority individuals are strongly encouraged to apply.

POSITIONS OPEN
NEW ASSISTANT PROFESSOR RECRUITMENT: The molecular basis of emotional learning
The University of Washington School of Medicine requests applications for a tenure-track Assistant Professor of pharmacology and psychiatry and behavioral sciences. We seek highly qualified individuals who are currently holding postdoctoral or non-tenure-track faculty appointments and have strong research training and productivity using cutting edge molecular techniques applied to animal models of developmental, epigenetic, or synaptic bases of emotional learning. This position requires a Ph.D. The successful candidate will initially be supported by a program grant (F30) from the National Institute of Mental Health and the National Institute of Aging. Dr. Michael Granger, Search Committee Chair, Department of Cell Biology and Neuroscience, invites applications for a new tenure track position in the University of Washington School of Medicine. The research environment is dynamic and ranges from molecular pharmacology to animal models of psychiatric disorders. University of Washington faculty engage in teaching, research, and service; the successful candidate can participate in graduate training in pharmacology and in interdisciplinary programs in neurobiology and behavior, molecular and cellular biology, and molecular medicine. For full consideration, applications should be submitted electronically as a single PDF containing a cover letter describing accomplishments and future directions, a complete curriculum vitae, and a representative research publication to e-mail: moffatj@upstate.edu and should arrange for three letters of recommendation to be submitted electronically to the SUNY Upstate Medical University. Applications will be considered until the position is filled. More description of the new position and the departmental programs can be found at website: http://depts.washington.edu/phcol/.

The University of Washington is an Affirmative Action/Equal Opportunity Employer. Women and underrepresented minority individuals are strongly encouraged to apply.
Two Post-doctoral Positions in Transcriptomics and Metabolomics of Interactions between Ash and the Emerald Ash Borer

Available immediately in an interdisciplinary project to study the mechanistic basis of ash resistance to the emerald ash borer, an invasive tree-killing insect. The metabolomics post-doc will be based on campus in Columbus, OH, while the transcriptomics post-doc will be based at the Ohio Agricultural Research and Development Center (OARDC) in Wooster, OH. Candidates for these positions should have strong records of accomplishment in the areas of molecular plant-insect or plant-microbe interactions and strong expertise in modern bioinformatics. The university and OARDC offer state of the art facilities, competitive salaries, and full benefits. The positions are initially available for two years and are renewable, contingent upon performance and availability of funding.

Interested persons should send a complete CV, and arrange for three letters of reference to be sent to Dr. Pierluigi (Enrico) Bonello, Dept. of Plant Pathology, The Ohio State University, 201 Kottman Hall, 2021 Coffey Road, Columbus, OH 43214, USA; tel - +1-614-688-5401; fax - +1-614-292-4455; email: bonello.2@osu.edu. Closing date: November 10, 2009 or until filled.

To build a diverse workforce, Ohio State University encourages applications from individuals with disabilities, minorities, veterans, and women. EEO/AA Employer.
RESEARCH SCIENTIST in Intestinal Epithelial Cell Biology Department

The Department of Surgery at the University of Pittsburgh seeks a RESEARCH ASSISTANT PROFESSOR to join our research team in studying the role of autophagy in the regulation of intestinal epithelial regeneration and repair during inflammation. The successful candidate will work within a well-funded basic science laboratory housed at the new state-of-the-art Rangos Research Center at the Children’s Hospital of Pittsburgh.

Qualifications: The successful candidate will have extensive knowledge of advanced biochemistry, cell biological, and molecular biological techniques, and will be eager to apply his/her knowledge to the study of enterocyte cell biology, autophagy, enterocyte-matrix interactions, and intestinal epithelial regeneration.

Closing date is December 30, 2009. Please send curriculum vitae to:

David J. Hackam, M.D., Ph.D.
Associate Professor of Surgery,
Cell Biology and Physiology
University of Pittsburgh School of Medicine
Children’s Hospital of Pittsburgh
One Children’s Hospital Drive
4401 Penn Avenue
Faculty Pavilion, Floor 7
Pittsburgh, PA 15224
Telephone: Office 412-622-8849
Laboratory 412-622-8901 or 412-622-8901
Fax: 412-622-8299
E-mail: david.hackam@chp.edu

The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer.

ASSISTANT PROFESSOR

Tenure-Track in Evolutionary Genetics

Biology Department

Williams College

The Biology Department at Williams College, a premier liberal arts college with a longstanding tradition of excellence in the sciences, invites applications for a tenure-track position at the rank of Assistant Professor, to begin July 2010. We seek an EVOLUTIONARY GENETICIST to teach genetics, evolution, and other courses at the introductory and advanced levels that effectively integrate the fields of molecular evolution, organismal biology, and genetics. Faculty members teach one course and two laboratory sections, or the equivalent, each semester. Startup funds and internal funding for research are available, and a research program that attracts extramural funding and involves talented undergraduates is expected. A Ph.D., postdoctoral experience, and a strong research record are required. Applicants should submit curriculum vitae along with brief statements of teaching and research interests and should arrange for three letters of recommendation to be sent to: Judy Uryniak, Academic Assistant, Department of Biology, Williams College, Williamstown, MA 01267; E-mail: judith.uryniak@williams.edu. Applications will be considered as they are completed with a deadline of November 25, 2009.

Although this appointment would normally be made at the beginning of the academic year, a senior appointment is possible under special circumstances. Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

BACTERIAL PATHOGENESIS

POSTDOCTORAL FELLOW position is available immediately to join the collaborative research group of Dr. Jeffrey D. Cirillo studying tuberculo-

sis pathogenesis. Selected individual will be primarily responsible for conducting independent research on mycobacterial pathogens and publication of results. Research will emphasize the molecular, biochemical, cell biological, and immunological mechanistic aspects of the pathogenesis and immunological characterization of virulence determinants in mycobacteria and their interactions with the host in mice and guinea pig virulence models. Ph.D. required and a record of productive experience in molecular bi-

ology of bacterial pathogens preferred. Send curriculum vitae and names and addresses of three references postmarked by November 15, 2009 (or until a suit-

able candidate is found), to: Dr. Jeffrey D. Cirillo, Department of Microbial and Molecular Patho-

genesis, Texas A&M Health Science Center, MS 1114, 467 Reynolds Medical Building, College Station, TX 77843-1114. Fax: 979-845-3479; e-mail: jdcirillo@medicine.tamhsc.edu. Contact Dr. Cirillo, telephone: 979-458-0778 for additional information. Texas A&M University System Health Science Center is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

THEORETICAL AND COMPUTATIONAL ECOLOGIST

The Department of Biology, University of Florida, seeks applicants who develop quantitative and theo-

retical tools to advance ecological understanding, link theory with data, integrate processes and patterns across levels of organization and/or spatial scales, and have diverse interests (e.g., the interface of ecology and evolution, global change, physiological ecology). In-

struction at both undergraduate and graduate levels is expected (e.g., in statistical or mathematical mod-

eling). We offer a collegial environment that fosters collaborative research emphasizing integration of mech-

anistic and ecological studies with evolutionary prin-


edu/Administration/Jobs.aspx for more information and to submit application. The application pack-

age is at the rank of tenure-track ASSISTANT PROFESSOR; however, appointments at the ASSOCIATE PROFESSOR rank are possible for exceptional candidates. Ph.D. required. Review of applications will begin 15 November 2009 and will continue until the position is filled. Women, minorities, and members of other underrepresented groups are encouraged to apply. The University of Florida is an Equal Opportunity Institution.

ASSISTANT PROFESSOR

Kansas State University

Pathogen-Host Interactions

The Division of Biology at Kansas State University invites applications for a tenure-track Assistant Pro-

fessor position to study the interactions between ani-

mal or human viruses or eukaryotic parasites and their hosts or host cells. The successful candidate will establish a vigorous, extramurally funded research program and contribute to graduate and undergraduate instruc-

 tion. The position is at the assistant rank, however, incl uding a newly constructed BSL-3 building located on cam-

pus. A Ph.D. or equivalent and postdoctoral training are required. More information, including application instructions, can be found at website: http://www.

ksu.edu/colleges/biol/jobs. Applications should be directed to: Dr. Rollie Clem, Search Committee Chair, e-mail: rlclem@ksu.edu. Review of applications will begin November 16, 2009, and continue until the position is filled. K-State is an Equal Opportunity Employer. Criminal background checks are required for all employees.

ASSISTANT PROFESSOR, CELL BIOLOGY

Rowan University

The Department of Biological Sciences of Rowan University announces an opening for a tenure-track position. The successful candidate will have an active research program in some field of eukaryotic cell bi-

ology, such as cell physiology, developmental biology, cell–extracellular matrix interactions, cyto- genetics, immunology, signal transduction, and/or cell biology subfields. Teaching responsibil-

ities include upper-level courses for biology majors in the candidate’s area of expertise, as well as contribu-

tion to a new four-course introductory sequence for majors, particularly an introductory course in cell biol-

ogy. Applicants should have completed doctoral work in an appropriate field and should possess a strong interest in and commitment to undergraduate educa-

tion, involving in-class and laboratory instruction in research. To apply, submit curriculum vitae, statement on re-

search experience and plans, statement on teaching, names and contact information of three references, and copies of graduate transcripts to: Dr. Luke Holbrook, Chair, Department of Biological Sciences, Rowan University, 201 Mullica Hill Road, Glassboro, NJ 08028-1701. Applications must be received by December 15, 2009. More information on this po-

sition and the Department can be found at website: http://www.rowan.edu/jobs/ and http://www.

rowan.edu/biology.

NEUROSCIENCE

GRADUATE STUDENT

The research group of Michael Kiebler (Center for Brain Research, Medical University of Vienna) is looking for enthusiastic, committed, and talented Ph.D. students who wish to join our research. We offer a very international environment with English being the lan-

guage spoken in the laboratory. The laboratory involves ongoing research on dendritic RNA transport and translational control in polarized neurons (Kiebler, M.A., Dr. G. Heberle, L. Manzke, B. Scholl, B. Scholl, G. Anderer, M. J. G. Rose, G. T. L. Josse, K. W. Noe, C. J. B. M. van den Boogaart, R. J. G. J. van Berkum, and J. M. van den Berg), and the development of novel molecular and statistical tools for the study of human neuronal and cardia
cancer. This includes novel molecular and statistical tools for the study of human neuronal cell bi-

ology. Applications including a letter of motivation, curriculum vitae, and two or three references should be sent electronically to: e-mail: michael.kiebler@meduniwien.ac.at.

ASSISTANT PROFESSOR

Center for Brain Research, Medical University of Vienna
2010 Meetings (in chronological order)
NF-kB in Inflammation & Disease
Advances in Biopharmaceuticals
Structural Biology
Structural Genomics: Expanding the Horizons of Structural Biology
Triglycerides & Triglyceride-Rich Particles in Health & Disease (new)
Alzheimer's Disease Beyond Aβ
Molecular Basis for Biological Membrane Organization & Dynamics
HIV Biology & Pathogenesis
RNA Silencing: Mechanism, Biology & Application
Molecular Basis for Chromatin Structure & Regulation
Hypoxia: Molecular Mechanisms of Oxygen Sensing & Response Pathways
Adipose Tissue Biology
Neuronal Control of Appetite, Metabolism & Weight*
New Insights into Healthspan & Diseases of Aging
Role of Inflammation in Oncogenesis
Molecular and Cellular Biology of Immune Escape in Cancer
Advances in Molecular Mechanisms of Atherosclerosis
The Macrophage: Intersection of Pathogenic & Protective Inflammation
Antibiotics & Resistance: Challenges & Solutions (new)
Stem Cell Differentiation & Dedifferentiation
Cell Biology of Virus Entry, Replication & Pathogenesis
RNA Silencing Mechanisms in Plants (new)
Tolerance & Autoimmunity
Cilia, Signaling & Human Disease
Lymphocyte Activation & Gene Expression
Angiogenesis in Health & Disease
Cardiovascular Development & Repair
Biomolecular Interaction Networks: Function & Disease (new)
Cell Death Pathways: Apoptosis, Autophagy & Necrosis
Metabolism & Cancer Progression (new)
Receptors and Signaling in Plant Development & Biotic Interactions
HIV Vaccines
Viral Immunity
Nuclear Receptors: Signaling, Gene Regulation & Cancer
Nuclear Receptors: Development, Physiology & Disease
New Paradigms in Cancer Therapeutics
Integration of Developmental Signaling Pathways
G Protein-Coupled Receptors
Dynamics of Eukaryotic Transcription During Development
Synapses: Formation, Function & Misfunction
Towards Defining the Pathophysiology of Autistic Behavior
Malaria: New Approaches to Understanding Host-Parasite Interactions
Molecular Targets for Control of Vector-Borne Diseases: Bridging Lab & Field Research*
Islet Biology
Diabetes
Computer-Aided Drug Design
New Directions in Small Molecule Drug Discovery (new)
Developmental Origins & Epigenesis in Human Health and Disease (new)
Bioactive Lipids: Biochemistry & Diseases
Innate Immunity: Mechanisms Linking with Adaptive Immunity

Prepare to be Inspired!

Submit an abstract and register now for 50+ Keystone Symposia conferences taking place January through June 2010 in a wide variety of life science disciplines:

- Biochemistry
- Biophysics
- Cancer
- Cardiovascular Disease
- Cell Biology
- Development
- Drug Discovery
- Genetics/Genomics/Epigenetics
- Immunology
- Infectious Disease
- Metabolic Disease
- Molecular Biology
- Neurobiology
- Plant Biology
- Structural Biology

Keystone Symposia meetings provide an excellent opportunity to:

- Hear the latest research results from experts in your field;
- Present your research to your peers and gain immediate feedback;
- Build new collaborations, including valuable cross-disciplinary ones;
- Develop new insights and gain a broader perspective.

A few key facts about our conferences:

- Conferences are set in stimulating venues conducive to networking.
- On most programs, speakers for short talks are chosen from abstracts.
- Affordable registration rates are the same for all attendees including those from industry (US$100 lower before early registration deadlines).
- Registration fees are discounted for students.
- Scholarships are also available for students and postdocs.

ASSISTANT PROFESSOR, BIOENGINEERING
The Pennsylvania State University

The Pennsylvania State University invites applications for tenure-track positions in the Department of Biotechnology Engineering at its University Park campus. Applicants are expected to have a Ph.D. and postdoctoral training in bio/medical engineering, chemical or electrical engineering, biophysics, or a related discipline. The Department has a 30-year history and research strengths in cardiovascular bioengineering, cell and molecular biomechanics, biomaterials, neural engineering, ultrasonic imaging, and bioinformatics. For more details, visit website: http://bioeng.psu.edu. Outstanding candidates in all areas of bioengineering will be considered. Preference will be given to candidates with expertise in biomaterials and drug delivery, or physiological/medical systems analysis, bioinstrumentation, and transport phenomena. Experience in drug delivery, cellular signaling, or mechanobiology is desirable. Send curriculum vitae, statement of research and teaching objectives, three reprints, and names of three or more references to Professor Herbert B. Read, Professor and Head, Department of Biotechnology Engineering, Penn State University, 205 Hallowell Building, University Park, PA 16802. Or e-mail: hlbioe@engr.psu.edu. Penn State is committed to Affirmative Action, Equal Opportunity, and the diversity of its work force.

ASSISTANT PROFESSOR
BACTERIAL PATHOGENESIS
KANSAS STATE UNIVERSITY

The Division of Biology at Kansas State University invites applications for a tenure-track Assistant Professor position in the general area of bacterial pathogenesis or host-bacterium interactions. The successful candidate will establish a vigorous, extramurally funded research program and contribute to graduate and undergraduate educational programs. Applicants must have a Ph.D. and have postdoctoral training at Kansas State, including a newly constructed BSL-3 building located on campus. A Ph.D. or equivalent and postdoctoral training are required. More information, including application instructions, can be found at website: http://www.ksu.edu/positions/divebio2.html. Direct inquiries to: Dr. Stephen K. Chapes, Search Committee Chair, e-mail: skchbio@ksu.edu. Review of applications will begin November 16, 2009, and continue until the position is filled. KSU is an Equal Opportunity Employer. Criminal background check required.

POSTDOCTORAL RESEARCH POSITIONS

Two POSTDOCTORAL RESEARCH POSITIONS are immediately available at the Helen Diller Family Comprehensive Cancer Research Center, University of California, San Francisco to study the molecular mechanism of RNA activation (RNAs), a new area of small RNA-mediated gene regulation. This five-year project is newly funded by an NIH Director’s Transformative R01 award (website: http://nihroadmap.nih.gov/T-R01/Recipients09.asp). The successful applicants should have a Ph.D. degree in biochemistry, molecular biology, or related field. The project focuses on several particular aspects, including the regulation of epithelial cell adhesion, apoptosis, and viral pathogenesis. More information, including application instructions, can be found at website: http://www.sciencecareers.org. Questions can be directed to Prof. Dr. Cyrus Vaziri, e-mail: cyrus_vaziri@med.unc.edu. KSU is an Equal Opportunity Employer.

POSTDOCTORAL FELLOW
Department of Biochemistry & Molecular Biology
UT M.D. Anderson Cancer Center

Postdoctoral fellow positions are available to study molecular mechanisms of DNA segregation in both prokaryotes and eukaryotes, RNA editing, and transcription. Applicants must have experience in crystallography and a strong understanding of protein structure-function relationships. Those with Doctorates in biochemistry, chemistry, or macromolecular X-ray crystallography are most appropriate. Please send your curriculum vitae, a brief description of your research accomplishments, and the names and e-mail addresses of three references to: Dr. Maria A. Schumacher, Department of Biochemistry and Molecular Biology, Unit 1000, The University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. E-mail: maschuma@mdanderson.org.

POSTDOCTORAL ASSOCIATE
University of Texas Southwestern Medical Center

Postdoctoral Associate position available to study microRNAs in kidney development and polycystic kidney disease. Ph.D. and/or M.D. with strong background in molecular biology, cell signaling, or mouse genetics required. Send curriculum vitae and three references to Dr. Peter Igarashi, Chief, Division of Nephrology, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-8856. Fax: 214-648-2071; e-mail: peter.igarashi@utsouthwestern.edu; Website: www.utsouthwestern.edu/nephrology. UT Southwestern is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
CARDIAC DEVELOPMENT

Studies include stem cell and neural crest research using mouse models. See Nat. Rev. Genet. 9:49–61, 2008; Nature 433:884–8, 2005. Send curriculum vitae, names of three references, and letter describing research experience to: Jonathan Epstein, Chair, Department of Cell and Developmental Biology, University of Pennsylvania School of Medicine. E-mail: epsteinj@mail.med.upenn.edu. Affirmative Action/Equal Opportunity Employer.

MARKETPLACE

Immunochemical Reagents
• Hapten Reporter Groups and Conjugates
• Wide Selection of Conjugates: NP, DNP, TNP, PC Proteins & more!
+1.800.GENOME.1 www btimmuno.com

Custom Antibody Production
• Polyclonal and monoclonal antibodies
• Advanced antigen design
• Phosphorylation site specific antibodies
• Application guaranteed antibodies
• Industry leading affordable price

EZBiolab www ezbiolab.com