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**POSITIONS OPEN**

**FACULTY POSITIONS**

in Pharmaceutical and Biomedical Sciences

College of Pharmacy

University of Georgia

The Department of Pharmaceutical and Biomedical Sciences at the University of Georgia, Athens invites applications for two full-time, tenure-track faculty positions at the ASSISTANT or ASSOCIATE PROFESSOR levels in the areas of medicinal chemistry (apply for position #59842), and pharmacology/physiology (apply for position #59843). Qualified candidates should possess a Ph.D. or Pharm.D.-Ph.D. or equivalent degree with medicinal chemistry/bioactive natural products or pharmacology/physiology as the focus of their graduate education and research training. Excellent communication skills and the ability to teach at both the Pharm.D. and Ph.D. levels are required. Each successful applicant is expected to have or to develop a dynamic, extramurally funded research program in an area identified above. To be assured full consideration, applications should be received by December 31, 2009. Interested qualified applicants should submit a letter of application, curriculum vitae, and a research plan and should have three confidential letters of recommendation sent to: Chair, Search Committee, Department of Pharmaceutical and Biomedical Sciences, R. C. Wilson Pharmacy Building, University of Georgia, Athens, GA 30602-2352. Applicants may also apply online to e-mail: pbsearch@rx.uga.edu.

**ASSISTANT PROFESSOR, PHYSIOLOGIST**

Assistant Professor of Biology, Tenure Track

Bridgewater State College

Department of Biological Sciences

In search of a Physiologist who can support the biomedical concentration, is strongly committed to excellence in undergraduate teaching, in mentoring undergraduate research students and in advising, including the sharing of advising responsibilities for undergraduates interested in the biomedical and health professions.

Teaching requirements will include human anatomy and physiology, introductory biology, and a first- or second-year seminar course. In addition, the applicant will teach an upper-level elective course, or courses, in the area of expertise that will complement and support the biomedical concentration. While the position is open to any field of biology, candidates with expertise in neurobiology or immunology are of special interest, but physiologists with expertise in other areas that complement our departmental offerings are also encouraged to apply. The successful candidate must have excellent communication skills and an earned Ph.D. by May 2010. Postdoctoral and teaching experience is preferred. Applicants must be strongly committed to excellence in teaching and advising, and to working in a multicultural environment that fosters diversity. They should also have an ability to use technology effectively in teaching and learning, the ability to work collaboratively, evidence of scholarly activity, and a commitment to publish higher education. Salary is competitive with experience. Interested applicants should apply online at website: http://jobs.bridgewater.edu and attach the following documents to their online application: a letter of interest, curriculum vitae, and statements of teaching and research. Review of applications will continue until the position is filled. Bridgewater State College is an Affirmative Action/Equal Opportunity Employer that actively seeks to increase the diversity of its workforce.

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**ASSISTANT ASSOCIATE PROFESSOR**

Environmental Studies

Goucher College invites applications for a new endowed chair in environmental studies. This is a tenure-track faculty position at the rank of Assistant or Associate Professor beginning August 2010.

We are seeking a natural scientist with strong interdisciplinary background in environmental science or environmental studies. Individuals with experience in global change research will be given particular consideration, but the position may include some combination of Earth science, geosciences, climatology, atmospheric science, or ecology. The individual will serve as Director of Environmental Studies, an interdisciplinary program spanning the natural, social, and environmental sciences.

Teaching responsibilities include interdisciplinary core courses and upper-level courses in area of expertise. Competitive candidates should be able to establish a research program that includes undergraduate participation.

Ph.D. is required and postdoctoral experience is preferred.

Goucher College is a selective liberal arts college located in Towson, Maryland, 20 minutes north of Baltimore, Maryland. The college’s strategic plan emphasizes environmental sustainability and international and intercultural experiences. There are opportunities for faculty to develop courses with an international focus.

Interested applicants must apply online at website: http://goucher.interviewexchange.com.

Please submit the following application materials online: (1) curriculum vitae; (2) letter of application; (3) statement of teaching and research interests.

Applicants should forward transcripts and three letters of recommendation separately to: Human Resources, Goucher College, 1025 Dulaney Valley Road, Baltimore, MD 21204-2794. Review of completed applications will begin December 1, 2009.

Goucher College is an Equal Opportunity Employer and is committed to increasing the diversity of the campus community and encourages applicants that will fulfill that mission.
REAPING THE BENEFITS OF A GOVERNMENT JOB

Collectively, the US government is the largest single employer in America, filling approximately 1.6 million full-time, permanent positions; however, in reality, the US government consists of several hundred smaller employers, each of which has its own individual function and culture. As a result, the opportunities offered by government jobs are wide ranging, and the needs are diverse. By Emma Hitt

In times of economic hardship and downsizing, a science or engineering job with the US government is by comparison secure and accompanied by less pressure to obtain funding and grants than a job in academia. In addition, a lower risk of layoffs may exist there than in industry. Add to that the competitive benefits and salary, the learning opportunities, and the diverse working environments at various institutions, and a position with the US government can make an attractive proposition.

Christa Speekmann, an import/export specialist for farmed aquatic aquaculture at the US Department of Agriculture (USDA). Her job responsibilities include developing and implementing regulations for the importation of live animals into the United States. She also negotiates with foreign governments regarding health requirements for the export of live animals. “One benefit of working with USDA-APHIS [Animal and Plant Health Inspection Service] is using my science background to contribute to regulatory decisions, which are quickly implemented,” she says. “Other advantages of working for the government include having job security and good retirement benefits,” she says.

Peter Gehring, a physicist for the National Institute of Standards and Technology (NIST), researches “smart” materials such as lead-oxide ferroelectric relaxors and highly magnetostrictive compounds. “I feel very fortunate to be able to enjoy enormous freedom to pursue the research projects in which I am interested while working at a place that is scientifically vibrant and offers substantial job security comparable to that of academia,” he says.

Barbara Thompson, an astrophysicist at the National Aeronautics and Space Administration’s (NASA) Goddard Space Flight Center, works on space missions observing the Sun. “We have many dedicated scientists and engineers who form an extremely cohesive team,” she says. “Most of us spend our entire careers here, so the commitment combined with the experience makes a very productive and exciting work environment,” she adds.

Where and What Jobs
Any job of interest to a Ph.D. scientist is likely to be available in the US government. Positions exist in more than 2,000 separate job categories. The 1.6 million federal employees are distributed among jobs in 15 cabinet-level agencies; 20 large, independent agencies (>1,000 employees); and 80 small agencies (<1,000 employees), according to a 2007 report compiled by the Partnership for Public Service. Contrary to popular belief, over 80 percent of government jobs are located outside of the Washington, D.C., metropolitan area, in locations across the United States (largest concentrations include Baltimore, Philadelphia, Atlanta, San Diego, and New York City) and worldwide. The health care occupations and sciences are projected to make up some of the fastest growing areas. continued »

“Other advantages of working for the government include having job security and good retirement benefits.”

UPCOMING FEATURES
Reentering the Work Force (Online only) — November 27
Focus on Denmark — January 15
Diversity 1: Women in Science — February 12
**Information Resources**

The first step toward seeking a job with the US government is to search the federal jobs website www.usajobs.gov. This website includes a database of nearly all federal jobs, searchable by keyword, location, income level, and other parameters. At the time of this writing, the database included about 34,000 opportunities worldwide. A search with the word “scientist” pulls up over 700 jobs, and a search with the word “biology” pulls up over 100 listings (42 that pay over $100,000). In addition to the actual listings, the USAJobs website has a wealth of information about US government jobs, including a listing of the locations that are hiring the most people, the occupations most in demand, and the agencies with the most openings. Links to the webpages of the human resource departments for each of the individual agencies are also available.

Another website, www.bestplacetowork.org, describes the most highly rated places to work within the federal government, and represents a compilation of surveys from more than 200,000 federal employees. Currently, the Nuclear Regulatory Commission takes the top position based on several factors, including employee skills—mission match, effective leadership, training and development, family-friendly culture, pay and benefits, and work/life balance. The National Science Foundation is No. 5 out of 32 smaller agencies, and NASA is No. 3 and the Environmental Protection Agency is No. 6 out of 30 large agencies. The Department of Health and Human Services, which encompasses the National Institutes of Health (NIH), ranks 21st out of 30. The data available on this website can also be configured to help job seekers find the most appropriate agency based on select criteria.

The Office of Personnel Management (OPM) website (www.opm.gov) includes information on federal benefits and salaries as well as the demographics of the federal work force. A subdomain of that website, FedScope (www.fedscope.opm.gov), also provides statistics such as demographic breakdowns by state, department, and/or type of position. Given that so much information is available, it is possible to thoroughly assess a position or institution before applying for a federal job.

**Getting Specific**

In addition to the USAJobs website, each of the individual agencies has specific websites and ways to navigate opportunities within an institution. “Right now we have about 110 postdoctoral fellowships being advertised at our training website (www.training.nih.gov),” says Roland Owens, chief recruiter for the NIH intramural research program. “We usually also encourage people to make direct contact with a principal investigator if they are looking for a postdoctoral position,” he adds. Owens recommends that contact with a prospective principal investigator about a postdoctoral position should be made at least six months before the desired start date.

An effective way to find out information on postdoctoral positions at the NIH, Owens says, is to go to the annual report listings at intramural.nih.gov/search/index.tm1. At that webpage, the annual reports can be searched by keyword. For example, typing in the key word “sarcoma” will pull up a listing of principal investigators at the NIH studying sarcoma—with a brief description of their research—who may have available appropriate postdoctoral opportunities.

Within the National Oceanic and Atmospheric Administration (NOAA), again, all the jobs can be found posted at the website USAJobs.gov, but Paul Sandifer, senior science adviser to the NOAA administrator, suggests that job seekers should contact the human resource offices at NOAA facilities in the area and talk to current employees, “particularly those working in doctoral positions in the agency. They should also consult academic mentors who are knowledgeable about the NOAA work force and areas for which we are seeking employees.”

“For people without much experience, taking on a fellowship is one of the best ways to get a foot in the door,” says Denise Koo, acting director of the Centers for Disease Control and Prevention (CDC) Office of Workforce and Career Development. “There’s an emerging infectious disease laboratory fellowship and an American Society for Microbiology laboratory fellowship, which generally last one to two years,” she adds. “A fellowship gives you the opportunity to get to know what the jobs are, and also obtain the public health experience that will help during the application process.”

**Exacting Standards**

Regardless of the implications of that old quip “close enough for government work,” the standards of science and work ethic compare well with those of academia and industry. The CDC’s Koo says that “in some ways, science at the CDC is perhaps more rigorous because it gets examined so much,” she says. “We’re government, and so we have a responsibility to be putting out recommendations and scientific data that are reliable—we have a whole peer-review process, and you’re not even allowed to publish anything until it goes through that process at the agency,” she says.

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**Featured Participants**

- Centers for Disease Control and Prevention
  www.cdc.gov
- Department of Agriculture
  www.usda.gov
- Department of Health and Human Services
  www.hhs.gov
- Environmental Protection Agency
  www.epa.gov
- National Aeronautics and Space Administration
  www.nasa.gov
- National Institute of Standards and Technology
  www.nist.gov
- National Institutes of Health
  www.nih.gov
- National Oceanic and Atmospheric Administration
  www.noaa.gov
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  www.nsf.gov
- Nuclear Regulatory Commission
  www.nrc.gov
- Office of Personnel Management
  www.opms.gov
The NIH Intramural Research Program is Recruiting “Earl Stadtman Investigators”

The National Institutes of Health, the nation’s premier agency for biomedical and behavioral research, is pleased to announce the launch of its search for top-tier tenure-track candidates to become “NIH Earl Stadtman Investigators.”

Earl Stadtman was an outstanding NIH scientist who mentored many current leaders in the biomedical community. In his honor, the NIH is recruiting basic, clinical and population-based investigators who seek the flexibility of scientific exploration in an intellectual and supportive environment. NIH investigators have the ability to focus on research that is high risk; they can quickly redeploy resources to explore new directions, collaborate freely on multidisciplinary teams, and contribute to the NIH mission of improving human health. The receipt of prestigious awards and honors—Nobel prizes, Lasker awards, elections to the NAS and IOM, among others—demonstrates the scientific rigor of our NIH intramural investigators.

We offer competitive startup packages and a collaborative, academic environment with more than 1,100 principal investigators engaged in cutting-edge basic, translational, clinical and population-based research. Our scientists focus entirely on their research with ample opportunities to mentor and train outstanding fellows at all levels. One special feature of our research program is the NIH Clinical Center, the world’s largest hospital entirely devoted to biomedical research.

Qualifications/Eligibility: Candidates must have an M.D., Ph.D., D.D.S./D.M.D., D.V.M., D.O. or equivalent doctoral degree and have an outstanding record of research accomplishments as evidenced by publications in major peer-reviewed journals. Preference will be given to applicants who are in the early stages of their research careers. Candidates in any area of biomedical, clinical and behavioral research are invited to apply. Appointees may be U.S. citizens, resident aliens or non-resident aliens with, or eligible to obtain, a valid employment-authorized visa.

Salary: Successful candidates are offered competitive salaries commensurate with experience and qualifications, and they are assigned ample research space, supported positions and an operating budget.

To Apply: Complete applications should be received by November 1, 2009; however, applications will be accepted until available positions are filled. Interested applicants should submit a curriculum vitae, a three-page description of proposed research, and three letters of recommendation through our online application system, at http://tenuretrack.nih.gov. No paper applications will be accepted.

For information on the NIH Intramural Research Program, refer to http://intramural.nih.gov/search and http://www1.od.nih.gov/oir/sourcebook/sci-prgms/sci-prgms-toc.htm. Specific questions regarding this recruitment effort may be directed to Dr. Roland Owens, Assistant Director, NIH Office of Intramural Research at owensrol@mail.nih.gov.

We seek original and interactive thinkers to be part of the next generation of research leaders. Become part of a team that continues to make history.

DHHS and NIH are Equal Opportunity Employers.
Department of Health and Human Services
National Institutes of Health
Intramural Research Programs
NCI, NEI, NHLBI, NIAID, NIDDK, NIHM, 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/

Physician-Scientist Investigator Recruitment
National Human Genome Research Institute

The Genetic Disease Research Branch (GDRB) of the National Human Genome Research Institute (NHGRI) provides unparalleled opportunities for investigators to develop world-class research programs in genetics and genomics. The Branch is pleased to announce that it is seeking to recruit a new tenure-track investigator to pursue innovative, independent research as part of this group of highly interactive and supportive investigators.

The successful candidate should have an interest in developing a research program that integrates clinical research with genetic or genomic approaches to understand the mechanisms of developmental processes or human disease. We welcome applications from clinicians with a wide range of backgrounds and disciplines.

Current GDRB faculty members use a variety of approaches to study the regulation and function of genes involved in development and homeostasis in humans and model organisms, with the goal of providing insight into human diseases. We welcome applicants with human disease-oriented research interests and approaches that complement those of our current Branch faculty.

The successful candidate will take advantage of interactions with a highly collegial group of scientists within NHGRI and on the NIH campus as a whole. In addition, they will have access to NHGRI’s outstanding core laboratories and the unparalleled resources of the NIH Clinical Center. This position includes a generous start-up allowance, an ongoing commitment of research space, laboratory resources, and positions for personnel and trainees.

Candidates should have an M.D., an M.D.-Ph.D., or equivalent degree, as well as advanced training and a record of accomplishments. Candidates with Ph.D.s who have experience organizing or supervising integrated basic and clinical research projects are also eligible. Such candidates should contact the Search Committee Chair or Branch Chief prior to submitting a formal application. Interested applicants should submit their curriculum vitae, a three-page description of proposed research, and three letters of recommendation through our online application system at http://research.nhgri.nih.gov/apply.

Applications will be reviewed starting Monday, November 23, 2009 and will be accepted until the position is filled.

For more information on GDRB and NHGRI’s Intramural Program, please see http://genome.gov/DIR. Specific questions regarding the recruitment may be directed to Dr. William Pavan, the Search Chair, at bpavan@nhgri.nih.gov. Questions may also be directed to Dr. Leslie Biesecker, the GDRB Branch Chief, at leslieb@helix.nih.gov.

DHHS and NIH are Equal Opportunity Employers and encourage applications from women and minorities.
Tenure-Track/Tenured Investigator
Laboratory of Immunology

The Laboratory of Immunology (LI), Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health (NIH) invites applications for a tenure-track/tenured investigator position in immunology. Applicants should have a Ph.D., M.D., or equivalent degree; an outstanding record of postdoctoral accomplishment; and an interest in any area of biomedical research related to immunology.

Specifically, we seek a highly creative individual who will establish an independent, world-class research program that takes full advantage of the special opportunities afforded by the stable, long-term funding of the intramural research program at NIH. She or he should be interested in developing and applying novel approaches to the study of problems of major biological and/or medical importance, which could include a significant clinical or translational effort in addition to bench research. In the former case, the successful candidate would have access to the NIH Clinical Center, a state-of-the-art research hospital on the NIH campus in Bethesda, MD, and ample opportunity to participate in the activities of the Trans-NIH Center for Human Immunology.

Generous ongoing support for salary, technical personnel, postdoctoral fellows, equipment, and research supplies will be provided. Available core or collaborative facilities include flow cytometry, advanced optical imaging, microarray generation and analysis, high throughput sequencing, computational biology, production of transgenic and gene-manipulated mice, biosafety level (BSL)-3 facilities, chemical genomics, and support for projects involving RNAi screening. The successful applicant will also have access to Trans-NIH initiatives involving technology development, translational investigation, and multidisciplinary science. In addition to an outstanding international postdoctoral community, a superior pool of graduate and undergraduate students is available to the successful applicant.

LI has a distinguished history of accomplishment in immunology. We strongly encourage application by outstanding investigators who can continue and enhance this record of achievement. Current LI investigators are Ronald Germain, Michael Lenardo, David Margulies, Stefan Muljo, William Paul, Ethan Shevach, and Tsan Xiao.

To apply, e-mail curriculum vitae, bibliography, and outline of a proposed research program (no more than two pages) to Ms. Yushekia Hill at NIAID.DIR.Search@niaid.nih.gov. In addition, three letters of reference must be sent directly from the referee to Drs. Giorgio Trinchieri and Dan Kastner, Co-Chairs, NIAID Search Committee, c/o Ms. Yushekia Hill, at NIAID.DIR.Search@niaid.nih.gov or 10 Center Drive, MSC 1356, Building 10, Room 4A22, Bethesda, MD 20892-1356. E-mail is preferred. Applications will be reviewed starting 11/16/09 and will be accepted until the position is filled. Please refer to ad #028 on all communications. For further information about this position, contact Dr. William Paul at 301-496-5046 or wpaul@niaid.nih.gov.

A full package of benefits (including retirement and health, life, and long-term care insurance) is available. Women and minorities are especially encouraged to apply. U.S. citizenship is not required.

To learn more about NIAID and how you can work in this exciting research organization, please visit us on the web at www.niaid.nih.gov/careers/sti.
The Division of Intramural Research of the National Institute of Neurological Disorders and Stroke, NIH is searching for outstanding individuals for tenure-track positions in areas of basic research of neuroscience. The Division of Intramural Research of NINDS has basic research programs to support the new applicant in neurodevelopment, neural circuits, synaptic function, membrane protein biophysics, biological basis of neurodegenerative diseases, and neuroimaging. These programs operate in one of the largest and most active neuroscience research communities in the world, which has been integrated in the Porter Neuroscience Research Center. In addition there are active clinical programs in neurological disorders and stroke. The successful individual will be expected to develop and direct an independent research program focused on relevant problems in the neurosciences. Outstanding individuals interested in neurodevelopment, neural circuit function, and mechanisms of neurodegeneration are particularly encouraged to apply. Candidates that make use of state-of-the-art techniques in stem cell biology or genomic/systems biology to study problems in the neurosciences are also encouraged to apply. The candidate will have earned a Ph.D. degree or MD or equivalent and will have demonstrated the potential to become an outstanding independent investigator. In rare cases outstanding senior candidates will be considered for a tenured position if there is a demonstrated international reputation and well-documented evidence of ongoing independent accomplishments. An individual selected for a tenure-track position is expected to build a dynamic and productive research group. Laboratory space and start-up funds, access to shared research facilities, on-going research support and salary are competitive with premier academic institutions. Applicants should send curriculum vitae, bibliography, statement of research interests, and have three letters of reference sent to: Kenneth Fischbeck, National Institute of Neurological Disorders and Stroke, c/o Nhuyen Quach, Office of the Scientific Director, Division of Intramural Research, Building 35 Room GA908, NIH, Bethesda, MD 20892 or nindsclinicalsearch@ninds.nih.gov. Review of applications is expected to begin on November 30, 2009, but applications will be accepted until the position is filled.

The Division of Intramural Research of the National Institute of Neurological Disorders and Stroke, NIH is searching for outstanding clinician-investigators for tenure-track positions in the area of clinical/translational studies of neurological disorders or stroke. The Division of Intramural Research boasts active clinical research programs in Stroke/Traumatic Brain Injury, Movement Disorders, Neuroimmunology, Neurogenetics, Cortical Plasticity, relevant to neurological disorders and stroke, Surgical Neurology and Neuroimaging. These programs operate in one of the largest and most active clinical research environments in the world, making use of the Clinical Research Center at NIH. They also interact with a large and active basic neuroscience community which has outstanding programs in ion channel biophysics, synaptic physiology, neural circuit function, cell biology, and developmental biology. The successful individual will be expected to develop and direct an independent research program focused on clinical or translational problems that relate to the major areas of interest in the intramural program. The successful candidate will also be expected to develop strong interactions with one of the active clinical/translational programs. The individual should have a demonstrated background and knowledge in research focused on diseases of the nervous system. Experience in application of clinical trial methodology to the study of disease mechanisms and testing new therapies is highly desirable. The candidate will have earned a M.D. or M.D./Ph.D. degree and will have excellent scientific skills in structuring an original and productive research program using ongoing communication and collaborative abilities. Preference will be given to individuals who have a medical license in the United States, who have completed training in an accredited training program in neurology, and are either board eligible or board certified. Outstanding candidates may also be considered for a tenured position if there is a demonstrated international reputation and well-documented evidence of ongoing independent accomplishments. An individual selected for a tenure-track position is expected to build a dynamic and productive research group. Laboratory/clinical facilities, shared research facilities, research funds and salary are competitive with premier academic institutions. Applicants should send curriculum vitae, bibliography, statement of research interests, and have three letters of reference sent to: Alan Koretsky, National Institute of Neurological Disorders and Stroke, c/o Nhuyen Quach, Office of the Scientific Director, Division of Intramural Research, Building 35 Room GA908, NIH, Bethesda, MD 20892 or nindsbasicsearch@ninds.nih.gov. Applications will be reviewed beginning December 1, 2009 and proceed until successful candidates are recruited.
The Cell and Cancer Biology Branch (CCBB), CCR, National Cancer Institute (NCI), National Institutes of Health (NIH) is seeking a candidate with a recent Ph.D. degree and a strong publication record in the areas of gene cloning, protein expression in eukaryotic systems, and protein purification in eukaryotic organisms or a candidate who is already an accomplished protein crystallographer and is interested in leading an effort to develop novel technology for the production of recombinant proteins in eukaryotic systems or a candidate who wishes to continue working in this field while also learning cutting-edge techniques for the production of recombinant proteins and protein engineering. Dr. Waugh's research interests revolve around methods development for the production of recombinant proteins, X-ray crystallographic studies of virulence factors from potential agents of bioterrorism, and structure-assisted development of therapeutic agents for the treatment of cancer. MCL is equipped with state-of-the-art X-ray equipment and complete infrastructure for the preparation and characterization of functional recombinant proteins. Additional support is available from a broad range of core services. US citizenship is not required but proficiency in English is essential. Please submit curriculum vitae including contact information for three references via e-mail to Dr. Lubkowski (lubkowski@nih.gov) or Dr. Waugh (waughd@mail.nih.gov).

Salary is commensurate with research experience and accomplishments.

With nationwide responsibility for improving the health and well being of all Americans, the Department of Health and Human Services oversees the biomedical research programs of the National Institutes of Health.

The NIH Director’s Wednesday Afternoon Lecture Series

Biomedical scientists around the world are invited to join us online to hear leading investigators present their latest results to the NIH Intramural Research community. Lectures may be viewed live at 3:00 p.m., EST (20:00 GMT) on Wednesdays, from September through June. Live webcasts can be viewed under “Today’s Events” at: <http://videocast.nih.gov/>

The current schedule of lectures is available at: <http://wals.od.nih.gov>

Upcoming Lectures:

- October 28: Robert Sapolsky, Stanford University, “Stress and Health: From Molecules to Societies”
- November 18: Dan Kastner, National Institutes of Health, “Fever, Genes, and Histories: Adventures in the Genomics of Inflammation”
- December 2, 2009: Tobias Meyer, Stanford University Medical School, “Shotgun siRNA Perturbation to Dissect Growth Factor Triggered Proliferation and Migration Signaling Systems”
- December 9: Gerard Karsenty, Columbia University Medical Center, “The Novel Physiology of Bone”
FOCUS ON CAREERS

JOBS IN GOVERNMENT

“Graduate students can conduct research in our labs as part of their Ph.D. training—this has been a very productive relationship.”
—Lawrence Reiter

Sandy Miller Hays, director of the Information Office with the USDA’s Agricultural Research Service (ARS), notes that work at the ARS, carried out by 2,200 scientists, touches on the lives of everyone in the United States. “It’s a very exciting place to work—we have discovery going on all the time,” she says. “It’s not just about researching a new type of soy bean—we do a lot of human nutrition research, for instance, taking an agricultural commodity and turning it into a product that everybody can use,” she says. “It’s amazing the things that we have done that have an impact on people’s everyday lives.”

Opportunities
Because some hiring government institutions are so large—the intramural program at the NIH consists of about 1,100 research groups—opportunities abound for collaborations and interactions. “Our postdoctoral fellows, in particular, have an opportunity to meet a lot of people. Just about every Nobel Prize winner in Physiology or Medicine for the past 20 years has visited the NIH,” Owens says. “Most of the members of the National Academy of Sciences who are in the biomedical research area come to talk, and we make special opportunities for postdoctoral fellows to have lunch with the big-name speakers that come in.”

Owens also points out that about 20 people at the NIH, in the office of intramural training, are assigned to determine how to enhance the careers and skills of research fellows, with most of the institutes having their own training specialists. “We offer courses in how to write grants, how to get a job, how to get CVs up to speed, how to handle interviews, all sorts of things that smaller institutions might not be able to provide,” Owens says.

EPA’s research facility at Research Triangle Park in North Carolina has been consistently ranked as one of the top places to work. The EPA forms several research collaborations with surrounding universities. “We have mechanisms whereby graduate students can conduct research in our labs as part of their Ph.D. training—this has been a very productive relationship that we have established with universities,” says Lawrence Reiter, the acting deputy assistant administrator for management. He notes that the EPA also has a federal postdoctoral program that allows recruitment for up to four years, and that these positions are posted on the USAJobs website.

At NOAA, one of the key benefits, says Sandifer, is the robust commitment to form partnerships with the external research community. “These partnerships go well beyond just providing competitive grants to academic researchers and include numerous cooperative institutes, joint programs with academia and nongovernmental organizations, involvement with students at all levels, and participation in international organizations,” he says.

Culture and Work/Life Balance
Every institution is different, but one of the benefits of a government job is that funding and resources are for the most part much more stable and forthcoming than in academia. Miller Hays says that scientists at ARS have guaranteed funding. “So you’re not scrambling for funds every year or every two years; there’s also a tremendous amount of autonomy on the part of the scientists; you don’t have to stop and teach classes—you’re just in there doing your thing,” she says.

However, the 40-hour work week and plethora of paid federal holidays may be more myth than reality, at least at some institutions. At the NIH, Owens says that 40 hours a week is the minimum, “but many people will put in 60-hour weeks.” He admits that it can sometimes be a little hard for people who “want to have a life outside of science, but we’re trying to figure out how to balance the whole work/family issue,” he says. Nonetheless, at the NIH, a variety of extramural activities are available, including clubs for biking, judo, taekwondo, sailing, hiking, and yoga; there is even an NIH orchestra, says Phil Lenowitz, deputy director of NIH’s Office of Human Resources. “So, we cover a broad spectrum—there’s pretty much something for everybody here.”

Whatever the background, and whatever the interest, the federal government is hiring and likely has a suitable job for a qualified person.

TIPS FOR APPLYING FOR A FEDERAL JOB

(based on information at www.ourpublicservice.org/OPS/publications/viewcontentdetails.php?id=118)

Develop a Federal Resume
Differs from traditional resume; create and save at www.usajobs.gov.

Fill Out a Knowledge, Skills and Abilities (KSA) Assessment
Specific to federal jobs. Requires self-ranking of skills and descriptions of job or academic experiences in first person narrative at www.makingthedifference.org

Have Patience
The process takes longer than in the private sector; appropriate to follow up with a call to the agency.

Prepare for the Interview
Treat like any other interview. Bring work examples and anything else that may be helpful.
Director, Center for Vascular Biology

The University of Connecticut School of Medicine is seeking highly qualified individuals for the position of Director of the Center for Vascular Biology. The candidate must have an excellent record of sustained NIH funding, be interested or experienced in teaching graduate students and serving as a mentor for trainees at multiple levels. The candidate should have demonstrated leadership experience and skills and recognize the importance of interpersonal relationships and team building. The candidate should be qualified for appointment at the senior rank professorial level. We are seeking an individual to complement and expand our established expertise in vascular biology and collaborate with existing cardiovascular faculty to further advance our development as a world-class research and educational program.

Candidates are invited to visit the Center web page (http://cvb.uchc.edu) and should apply by submitting a curriculum vita and the names of three references via the University of Connecticut Health Center Employment Services website, https://jobs.uchc.edu, Bruce Liang, M.D., Chair, Vascular Biology Search Committee, Ray Neag Distinguished Professor, Director of the Pat and Jim Calhoun Cardiology Center, Chief of Cardiology, The University of Connecticut Health Center, School of Medicine, Farmington, CT 06030-3946, Email: bliang@uchc.edu

Tenure Track Faculty Position in RNA and Stem Cells

The Department of Genetics and Developmental Biology at the University of Connecticut School of Medicine is seeking highly qualified individuals with an outstanding background in RNA biology and stem cells. Areas of interest include, but are not limited to, RNA editing, alternative splicing, large and small non-coding RNAs, RNA transport and RNA stability. Candidates who use genomic approaches to characterize the role of these processes in the maintenance of pluripotency and lineage differentiation are of particular interest. The Department is seeking an individual who will build on our established expertise in these areas and who will develop a world-class research program in RNA research with a strong stem cell component.

Applications are invited for a position at the Assistant, Associate or Full Professor level. Faculty will enjoy superb resources including a generous start-up package as well as state-of-the art core facilities for mouse transgenics and ES cell manipulation, microarrays, next-generation sequencing, flow cytometry, confocal microscopy and fluorescence imaging. The successful candidate will be expected to establish an independent and innovative research program that will attract extramural funding and to actively contribute to a rich scientific environment.

Candidates are invited to visit the departmental web page (http://genetics.uchc.edu) and should apply by submitting a curriculum vita and the names of three references via the University of Connecticut Health Center Employment Services website, https://jobs.uchc.edu, or directly to: Marc Lalande, Ph.D., Professor and Chair, Department of Genetics and Developmental Biology, The University of Connecticut Health Center, School of Medicine, Farmington, CT 06030-3301, Email: ucscl_admin@uchc.edu

Faculty in Cellular Nanoscience

R. D. Berlin Center for Cell Analysis and Modeling

The Berlin Center for Cell Analysis and Modeling (http://www.ccam.uchc.edu/) at the University of Connecticut Health Center is a multi-disciplinary research center focused on development of new photonic, microscopic and computational approaches for the study of cellular systems. In the spring of 2010, we will jointly occupy a new $50 million/117,000 sq. ft. research facility with the University’s Stem Cell Institute and Department of Genetics and Developmental Biology. Strong synergies with these research groupings are anticipated. We are seeking additional faculty whose research programs elucidate nanoscale processes that control cellular function. Areas of special interest include: synthetic biology, analysis and design of cell regulatory circuits, computational cell biology, nanofabrication, nanomanipulation, micro- and nano-sensors, micro- and nano-fluidics, single molecule microscopy, non-linear optical contrast mechanisms, and new modalities for high resolution live cell imaging. Applications are welcome at any level and investigators with established funded research programs are especially encouraged to apply. Opportunities to participate in training of graduate students in cell biology, physical sciences and engineering disciplines will also be available. Salary and startup package will be commensurate with experience and level of appointment. The closing date for receipt of applications is Nov. 10, 2009.

Applicants should submit a letter of application, curriculum vitae, research plan and statement of teaching interests, and names (with address and e-mail address) of at least three references. Applications should be e-mailed in RTF or PDF format to nanocell@uchc.edu or submitted via the University of Connecticut Health Center Employment Services website, https://jobs.uchc.edu

The University of Connecticut Health Center is an Equal Opportunity Employer (M/F/V/PwD)
Assistant, Associate or Senior Scientist

The Geology and Geophysics Department invites applications for two full-time tenure-track positions at the Assistant, Associate or Senior Scientist level. These positions are eligible for benefits.

The first position is in the area of metamorphic petrology (fluid-rock interaction) to pursue new research directions in fluid-rock interactions and chemical fluxes between the crust, mantle and oceans, dehydration/serpentinitization processes, kinetic and thermodynamic modeling of metamorphic processes and elucidating the linkages between fluid flow, alteration deformation and the chemical fluxes across subduction zones. The candidate would bridge research between geochronists and geophysicists studying the global geochemical cycle from midocean ridges to subduction zones, and the geochemical evolution of the Earth.

The second position is in the area of isotope geochemistry. The successful candidate would apply state-of-the-art technologies of isotope geochemistry to a range of problems, including timescales of geologic processes, global geochemical cycles, mantle dynamics and evolution, biogeochemical cycles, and geochemical kinetics.

Successful candidates are expected to develop and maintain their own independent externally funded research program. Opportunities exist for teaching and advising graduate students through the MIT-WHOI Joint Program in Oceanography/Applied Ocean science and Engineering, as well as for collaborating with scientists and engineers elsewhere in the institution: the Departments of Marine Chemistry and Geochemistry, Biology, Physical Oceanography, Applied Ocean Physics and Engineering, and the Marine Policy Center.

A Ph.D. is required at the time of the appointment as well as a demonstrated record of excellence in research. The level of appointment will depend on the candidate’s background and experience. Women and minority applicants are particularly encouraged to apply.

Target for applications, which should include a CV, a research statement and a list of 4 references who could submit letters of recommendation is November 30th, 2009.

Please visit http://jobs.whoi.edu for a detailed job description and to apply online today!

WHOI is an Affirmative Action/Equal Opportunity Employer M/F/D/V. Applications are reviewed confidentially.

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Woods Hole Oceanographic Institution

The Ohio State University

Departments of Plant Cellular & Molecular Biology and Molecular Genetics and the Plant Molecular Biology/Biotechnology Program

The merging Departments of Plant Cellular & Molecular Biology and Molecular Genetics at The Ohio State University, in conjunction with the interdisciplinary Plant Molecular Biology/Biotechnology (PMBB) program, invite applications for a full-time, tenure-track faculty position. Appointment at the Assistant Professor level is preferred, but outstanding candidates at senior level will also be considered. This position is part of a new campus-wide Targeted Investment in Excellence initiative awarded to the PMBB Program in Translational Plant Sciences. Successful applicants are expected to develop an outstanding research program and to participate in teaching at the undergraduate and graduate levels. Applicants with expertise in any areas of plant molecular, cellular, biochemical, developmental, genomics and systems biology are encouraged to apply.

Research programs addressing fundamental problems of bioenergy, bioproducts, carbon sequestration or plant-microbe interactions are of particular interest.

Plant science is an expanding area of research at the university (see other plant-related positions at http://hcs.osu.edu/index.php/useful-links/news-stories/front-page/143-assistant-professor-of-plant-biochemistry and http://orgp.osu.edu/). Departmental faculty members also participate in numerous campus-wide programs, centers and focus groups that include PMBB, the Plant Biotechnology Center, the Molecular Plant-Microbe Interaction Group, the Cell Biology Group, the Developmental Genetics Group, the Center for RNA Biology, the Institute for Energy and the Environment, the Mathematical Biosciences Institute and the Arabidopsis Biological Resource Center.

The Ohio State University is the flagship institution of the higher education system in Ohio. It is located in Columbus, the state capital, which is a vibrant large city that has been continuously ranked as one of the country’s best places to live and work. Further information about the departments, PMBB, the university and Columbus can be obtained at http://www.biosci.osu.edu/~plantbio/plantbio.html (Plant Cellular & Molecular Biology), http://www.osumolgen.org (Molecular Genetics) and http://www.ag.osu.edu/~pmbb/PMBB.html (PMBB). Flexible work options are available.

Candidates with a Ph.D. and suitable postdoctoral experience should submit applications including curriculum vitae, a 3 page or less research plan and a brief description of teaching experience and interests. Candidates for consideration at the Assistant Professor level should also arrange to have at least 3 reference letters submitted. Electronic applications and reference letters to pmbbsearch@biosci.osu.edu are preferred, but paper copies may also be sent to Search Committee Chair, Dept. of Plant Cellular and Molecular Biology, Ohio State University, 500 Aronoff Laboratory, 318 West 12th Ave., Columbus, OH 43210-1242. Review of applications will begin November 15, 2009 and continue until a suitable candidate is identified.

To build a diverse workforce, The Ohio State University encourages applications from individuals with disabilities, minorities, veterans, and women. EEO/AA Employer.

Ohio State is an NSF Advance institution.

IDA Science & Technology Policy Institute: Now Hiring

The Institute for Defense Analyses Science and Technology Policy Institute (STPI) seeks talented individuals to lead studies in three broad areas: (1) life sciences and biomedical research; (2) energy and the environment, and (3) program evaluation, portfolio analysis, and scientometrics.

STPI, a Federally Funded Research and Development Center operated by the Institute for Defense Analyses, provides analytical support to the Office of Science and Technology Policy (OSTP), the National Institutes of Health, and other federal agencies on science, technology, and innovation policy issues. Candidates must be knowledgeable, practiced, dynamic scientists, engineers, or social scientists with significant policy understanding and comprehension. We are seeking individuals who will conduct lead policy studies in each of the three areas. Requirements for each area are:

(1) Life Sciences: Ph.D. or M.D. staff to conduct and lead policy analysis studies in the areas of life sciences, healthcare and the conduct of clinical and translational research.

(2) Energy and the Environment: Ph.D. to undertake and lead studies on energy-related technologies, policies, and social and behavioral issues associated with the adoption of new energy technologies.

(3) Evaluation and Scientometric: Ph.D. and accomplished policy analyst experience with a background in public administration, program evaluation, or organizational behavior.

The ideal candidate will have research experience in an academic or industry environment as well as experience with some aspect of R&D management/administration or S&T policy. Experience levels desired are senior staff with 10-15 years experience. The successful applicant must have a demonstrated ability to work within a team of S&T policy staff and to express ideas clearly in spoken and written format. STPI is located in downtown Washington DC, just a few blocks from OSP and the White House.

IDA offers competitive salary, an excellent benefits package and a superior professional working environment. The selected individual will be subject to a security investigation and must meet the requirements for access to classified information. U.S. citizenship is required. IDA is proud to be an equal opportunity employer. Interested candidates should apply online at www.ida.org – keyword STPI.
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
Xi’an Jiaotong University Health Science Center (XJTUHSC) is recognized nationally and internationally for its outstanding achievements in medical research and education. Based in Xi’an, a very famous city with a long history, XJTUHSC consists of a Medical College and 4 big affiliated teaching hospitals, mainly focuses on medical education and basic and applied medical researches. XJTUHSC invites applications for full-time tenure-track faculty positions at the level of professor or associate professor. 

We are especially looking for individuals with a strong background in biomedical sciences and experience in addressing challenging biological questions in areas such as stem cells and development, neurological disorders, metabolic diseases, DNA instability and cancer, epigenetics, genomics, proteomics, bioinformatics, biotechnology, physiology and pathophysiology, pharmacy, pharmacology, anatomy and embryology, immunology and pathogen biology, pathology, medical experimental zoology, public health, and other any researches related to medical research. We also looking for good physicians and surgeons with high level education and good experiences. Successful candidates should demonstrate a record of ongoing scholarly activity and strong potential for obtaining extramural research funding. Candidates should have a PhD or MD degree with substantial relevant postdoctoral experience and a proven record of research excellence. An interest in teaching is also important. We have an active mentorship program for tenure-track faculty, which provides ample opportunities for the development of independent and collaborative research programs within our center and across the university, and strives to provide a stimulating and supportive environment for medical science research. Talented, enthusiastic researchers working on fundamental biological processes or pathogenesis of human diseases are encouraged to apply. Successful candidates will enjoy newly renovated space, highly collegial and interactive environment, and generous startup funding from the Guanghua Hundred Talents Program. Salaries will be commensurate with experiences and qualifications. For more information please visit http://iphy.xjtu.edu.cn

Applications will be reviewed quarterly until the positions are filled. Please submit CV, statement of current research summary (up to 2 pages) and future research plan (up to 2 pages), and names of three professional references to:

Bin Wu, assistant of Director, Office of Xi’an Jiaotong University Health Science Center; Tel: 86-29-82656852; Email: xjtuhs@163.com

Worcester Polytechnic Institute

Head of Chemistry and Biochemistry

WPI invites applications and nominations for Head of the Department of Chemistry and Biochemistry who will also hold an Endowed Professorship. The Department is integral to a major life science research initiative at WPI supported by a new, state-of-the-art research facility that opened in the spring of 2007. WPI seeks a Department Head with a clear and creative vision for building and sustaining ambitious departmental research programs during a period of growth. This vision will include enhancing the department’s role in the natural sciences, and the successful candidate will be expected to oversee a vigorous faculty recruitment program. The Department Head will have an earned doctorate in chemistry or biochemistry, an international reputation in research, and a distinguished record of publication and funding in an area of chemistry or biochemistry. She or he must demonstrate outstanding leadership and mentoring abilities as well as a commitment to high quality teaching at both the undergraduate and graduate levels.

The Department of Chemistry and Biochemistry at WPI offers undergraduate and graduate (MS, Ph.D.) degrees in chemistry and biochemistry. WPI is on the Chronicle of Higher Education’s 2009 list of “Great Colleges to Work For.” Further information about WPI and the department can be accessed at http://www.wpi.edu

The application should consist of a detailed curriculum vitae, a letter of intent that describes professional interests (research, teaching, and administrative), and a vision statement for the future development of the department. Applications and nominations should be sent to bcheadsearch@wpi.edu. Further enquiries can be directed to the chair of the search committee, Dr. Richard Sisson (sisson@wpi.edu) or the Head of Chemistry and Biochemistry, Dr. Kristina Wobbe (kwobbe@wpi.edu).

To enrich education through diversity, WPI is an affirmative action, equal opportunity employer.

– A member of the Colleges of Worcester Consortium.

Stanford Institute for Stem Cell Biology and Regenerative Medicine (ISCBRM)

Tenure-line Faculty Member

The Stanford Institute for Stem Cell Biology and Regenerative Medicine (ISCBRM) is holding an open search for a tenure-line faculty member in the areas of adult stem cell biology and its relation to organ or tissue function, cancer stem cell biology including targeted immune therapies to cancer stem cells, embryonic stem cell biology, and mechanisms of somatic cell reprogramming to produce human pluripotent stem cell lines. This position is ideal for a stem cell scientist in the early or mid-stage of his/her career but who is already established as an outstanding investigator.

The successful candidate will have an outstanding record of research and a strong interest in helping to translate these discoveries into pre-clinical research and potential therapies. All appointments to the ISCBRM also have primary appointments in departments at Stanford University. Interested candidates need to indicate preferences for potential department affiliation. The appointee, however, will work on location in the ISCBRM laboratories and will participate in ISCBRM research and teaching activities. While excellence in teaching is an important criterion, the appointment will be based primarily on research accomplishments and the promise of future research and translational medicine advances. Salary will be commensurate with the level of employment, relevant experience, and accomplishments.

Please address and mail letters of interest, along with full curriculum vitae and the names and addresses of three references to:

Susan Prohaska, Ph.D., ISCBRM Program Officer
or
Irving L. Weissman, M.D.
Director, Institute for Stem Cell Biology and Regenerative Medicine
ISCBRMFacultysearch@stanford.edu

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

The Departments of Biology and Physical Therapy at Northeastern University are seeking interdisciplinary applicants in experimental or computational Movement Neuroscience. All ranks will be considered. Individuals working on neurophysiological, biomechanical and executive functions in the control of movement, rehabilitation and restoration of function, development, sensorimotor integration, muscle function and other areas related to motor control are encouraged to apply. We are interested in individuals with a variety of research methods ranging from behavioral, neurophysiological, biomechanical, electrophysiological, engineering and imaging techniques. Applicants will be expected to support a strong research program and contribute to teaching in the area of neurobiology and biomechanics of movement at both the graduate and undergraduate levels. Successful applicants are expected to maintain an independent research program of distinction, as well as effective collaborations with other faculty at Northeastern University and institutions.

Qualifications include a PhD, a strong record of scientific achievements and extramural funding commensurate with the level of the appointment, and a willingness to contribute to undergraduate and graduate teaching.

Start date: Fall 2010.

To apply, visit the website [http://www.northeastern.edu/cas/](http://www.northeastern.edu/cas/) and click on “Faculty Positions”. For questions about the search, call: Dagmar Sternad, 617-373-5093. Review of applications will begin January 15, 2010 and continue until the position is filled.

Northeastern University is an Equal Opportunity, Affirmative Action Educational Institution and Employer, Title IX University, and NSF funded ADVANCE Institutional Transformation site. Women and minority candidates are encouraged to apply.

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**TEMASEK RESEARCH FELLOWSHIP**

The Temasek Research Fellowship (TRF) is a prestigious scheme aimed at recruiting outstanding young researchers at the post-doctoral level to undertake research as Principal Investigators and lead teams to undertake defence-related research in the Nanyang Technological University (NTU) or National University of Singapore (NUS) in Singapore.

The TRF is a 3-year Fellowship with an option to extend up to 3 years. The Temasek Research Fellow (TRF-RF) may be offered a faculty appointment at the end of their term.

In addition to an attractive remuneration package that will commensurate with qualification and experience, the TRF-RF will be provided a research grant to pursue his/her research at Temasek Laboratories at NTU or NUS or other research entities at the respective Universities.

For more information and application procedure, please visit:
NTU - [http://www.ntu.edu.sg/trf](http://www.ntu.edu.sg/trf)
NUS - [http://www.nus.edu.sg/dpr/funding/fellowship.htm](http://www.nus.edu.sg/dpr/funding/fellowship.htm)

**Closing date: 22 December 2009**

Short-listed candidates will be invited for an interview and scientific presentation expected to be held in March 2010.

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**To strengthen and widen the scope of the nanosciences at the Ludwig-Maximilians-Universität München (LMU), the Faculty of Physics and cluster of excellence “Nanosystems Initiative Munich” (NIM) invite applications for a**

**Professorship (W 2) for Theoretical Physics in the area of Functional Nanosystems**

(tenure track)

The tenure track position is initially for six years and can be converted to tenure pending a positive evaluation after a minimum of three years. In exceptional cases a tenured position can be offered directly.

Possible fields of research include all questions relevant for understanding, designing and manipulating functional nanosystems. Preferred focus areas are electronic, magnetic, photonic, atomic and mechanical nanosystems.

Participation in the interdisciplinary activities of the "Center for NanoScience" (CeNS), the LMU innovativ focus area “Functional Nanosystems”, the "Arnold Sommerfeld Center for Theoretical Physics" (ASC), as well as in local collaborative research programs is possible. For additional information on ongoing activities see [http://www.nano-initiative-munich.de](http://www.nano-initiative-munich.de) and [www.cens.de](http://www.cens.de).

Candidates are expected to conduct an independent research program that complements existing research efforts and to participate in the teaching program.

Prerequisites for employment are a university grade, pedagogical suitability, Ph.D. or doctoral degree and additional scientific qualification which can be proved by a habilitation or equivalent achievements.

In general the age of 52 should not be exceeded at the time of appointment, though exceptions are possible.

The advancement of women in science is an integral part of the university’s policy. Women, therefore, are especially encouraged to apply.

Persons with disabilities will be given preference over other applicants with comparable qualifications.

The Ludwig-Maximilians-Universität München offers support for couples of double career.

Applications including a curriculum vitae, academic records, a list of publications, as well as a two-page summary of planned research activities should reach the Dekan der Fakultät für Physik der Ludwig-Maximilians-Universität München, Schellingstr. 4, 80799 München, Germany, not later than December 1, 2009.
Faculty Position in Renewable Fuels

As part of the continuing expansion of the Enterprise Rent-A-Car Institute for Renewable Fuels at the Donald Danforth Plant Science Center, a faculty position at any level is available for a scientist with research interests in the area of renewable fuels using plant or algal systems. Investigators addressing fundamental questions related to the bioengineering of molecular biology, or biochemistry of biomass, hydrocarbon or renewable feedstock production are especially encouraged to apply. Postdoctoral experience and a record of excellence in research are required. The successful candidate is expected to establish a strong, creative and collaborative research program.

Please submit a curriculum vitae; a statement of research plans and three reference letters to: Ms. Billie Brooker, Director of Human Resources, RE: ERAC, Donald Danforth Plant Science Center, 975 N. Warson Rd, St Louis, MO 63132. Or by email to: bbrooker@danforthcenter.org with ERAC in the subject line. Review of applications will begin November 30, 2009. For more information please visit http://www.danforthcenter.org.

EOE/AA EMPLOYER/M/F/D/V.

Tenure Track Faculty Position in Neuroscience

The Dept of Neurobiology and Anatomy at the University of Utah (http://www.neuro.utah.edu/) is seeking an outstanding scientist for a tenure track faculty position at the Assistant Professor level. We are interested in candidates who are pursuing fundamental problems in neuroscience. Areas of interest include but are not limited to neural circuitry and plasticity, behavioral genetics, and aging, regeneration and repair.

Individuals holding Ph.D. and/or M.D., or equivalent degrees, with two or more years of postdoctoral experience and using innovative combinations of molecular, genetic, and cellular approaches are encouraged to apply. Applicants should demonstrate excellence in research and strong potential for securing and sustaining independent and collaborative extramural funding.

The University of Utah offers excellent resources to support new faculty, including competitive salary and start-up support, a highly collegial research environment, core facilities and strong interdisciplinary graduate training programs. A successful applicant will be expected to develop an innovative, independent research program, and to share our commitment to excellence in graduate and medical education.

Only electronic applications will be accepted. Please submit a single PDF document including: (1) cover letter, (2) curriculum vitae, (3) research statement (4) one recent publication. Email the application to: facsearch@neuro.utah.edu. Three letters of reference should be sent independently to: facsearch@neuro.utah.edu. For full consideration, applications should be received by December 1, 2009.

The University of Utah is an Affirmative Action/Equal Opportunity Employer and does not discriminate based upon race, national origin, color, religion, sex, age, sexual orientation, gender identity/expression, disability, or status as a Protected Veteran. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities. To inquire about the University’s nondiscrimination policy or to request disability accommodation, please contact: Director, Office of Equal Opportunity and Affirmative Action, 201 S. Presidents Circle, Rm 135, (801) 581-8363.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a demonstrated commitment to improving access to higher education for historically underrepresented students.

Faculty Positions in Coastal Hydrogeology and Geochemistry

The Skidaway Institute of Oceanography (SkIO) invites applications for two faculty positions available 1 July 2010. These scientists will complement SkIO’s existing programs in marine and coastal geology, sediment and stable isotope geochemistry, coastal physics, microbial ecology and environmental chemistry. Applicants are encouraged to learn more about the Institute and its programs at www.skio.usg.edu.

Coastal Hydrogeology: SkIO seeks candidates with demonstrated interest in interdisciplinary research on material and water exchange between surface waters, surficial aquifers and/or intertidal wetlands, the role of these hydrologic systems in the transfer and fate of carbon, nutrients and/or other materials in the coastal zone and applications of models to these processes.

Marine Geochemistry: Candidates with interests in either inorganic or organic geochemistry are encouraged to apply. While individuals from all sub-disciplines of geochemistry may apply, we particularly welcome applicants with interests in carbon cycling within coastal marine waters. A history of collaboration or leadership in interdisciplinary research is an advantage.

The appointments will be made at either the Assistant or Associate Professor level, depending upon qualifications. Candidates for both positions should demonstrate strong evidence of (or potential for) the ability to conduct an active, extramurally funded research program. While SkIO is primarily a research institution, there are opportunities for interactions with local and regional academic institutions. Some level of participation in joint educational programs is expected, and a CV, statement of research interests and teaching experience and contact information for at least three references to resumes@skio.usg.edu. Please attach required documents in PDF format. Include either Hydrogeologist search or Geochemist search in the subject line. Electronic applications are strongly encouraged, but paper applications may be sent to Skidaway Institute of Oceanography, 10 Ocean Science Circle, Savannah, GA, 31411. Review of applications will begin on November 30, 2009 and will continue until the positions are filled.

EOE/AA Employer.

Institute for Structural and Molecular Biology (ISMB)

At University College London – Birkbeck College London Lectureship in “Reconstitution of Cell Biological Systems”

The Institute for Structural and Molecular Biology (ISMB) is seeking applications to fill a lectureship in the Reconstitution of Cell Biological Systems. We want to recruit outstanding individuals who are capable of developing world-class, interdisciplinary research in Cellular and Molecular biology. The successful applicant will undertake research on the function of complex cellular systems (for example endocytic machineries, signalling complexes, cell division, nucleopore, etc...). We are especially interested in expertise with systems that are amenable to in vitro reconstitution, and functional analysis using a range of molecular, cellular, biochemical and biophysical approaches. The successful applicant will also be expected to make an appropriate contribution to the affiliated departments portfolios of graduate and undergraduate teaching.

The salary range that is offered for this post will be within the University Lecturer GB: £39,313 – £46,403 per annum inc. LW) range according to experience. The job description and person specification can be found at www.ismb.london.ac.uk/ISMBGB.html and at the respective departmental websites (http://www.ismb.ucl.ac.uk/ and http://www.cryst.bbk.ac.uk/).

To apply, please visit the UCL Vacancies website and follow the on-line application process:

http://www.ucl.ac.uk/hr/vacancies/adverts/job-list.html. CVs should contain a account of applicant’s current research activities together with a plan of future research intentions. The Head of the ISMB, the UCL Research Department of Structural and Molecular Biology and of the Birkbeck Department of Biological Sciences is Professor Gabriel Waksman. He can be contacted informally for general information (email g.waksman@ucl.ac.uk or g.waksman@bbk.ac.uk).

Deadline for applications is 30th November 2009.

UCL Taking Action For Equality.
EXECUTIVE DIRECTOR
for the International Barcode of Life (iBOL) Project

Background: Biodiversity on our planet is imperiled and efforts to reverse this situation are compromised by difficulties in mapping species distributions. DNA barcoding, the use of sequence diversity in short, standardized gene regions to create a digital identification system for life, will empower biodiversity science by enabling automated species identifications. Work over the past 5 years has delivered barcode records for 50K species and has provoked plans for iBOL, a genomics project which will both massively expand the DNA barcode reference library and develop the technologies required to read it. An administrative structure has now been established to support this research program which is the largest initiative ever undertaken in biodiversity genomics (www.iBOLProject.org). The International Barcode of Life (iBOL) consortium has been established as a stand-alone, not-for-profit corporation, overseen by an international Board of Directors representing participating funders. By 2015, iBOL consortium members will have gathered DNA barcode records from 5M specimens of 500K species, producing an identification system for species that are regularly encountered by humanity and a solid foundation for subsequent advance toward the DNA barcode reference library for all eukaryotes. The impacts on biodiversity science and its applications throughout society will be transformative. The Executive Directorship of iBOL is an extraordinary opportunity for someone with administrative verve, imagination and a strong sense of mission. More than 25 nations are participating and major commitments have been made toward the target operating budget of $150M for this first phase of iBOL (2010-2015).

Position Description: The iBOL secretariat is based at the Biodiversity Institute of Ontario, a research unit of the University of Guelph in Ontario. The secretariat is responsible for co-ordination of the overall iBOL research program and for the assembly of reports to the Board of Directors and the participating funding agencies it represents. Reporting to the Scientific Director (SD) of iBOL, the Executive Director will oversee the secretariat and work closely with the SD to achieve consortium goals. Aided by a core staff, the Executive Director will have responsibility for administration and operations of the iBOL consortium. These duties will include, either directly or in a coordinating role, the cultivation of iBOL consortium partners; consortium governance and accountability; internal and external reporting and communication. The Executive Director will work with other international biodiversity, genomics and scientific organizations which represent key opportunities for cooperation or collaboration. It is anticipated that the position will require significant domestic and international travel.

Required Qualifications and Skills: PhD in the life sciences or equivalent combination of experience and education; MBA or equivalent combination of experience and education; strong organizational and management record with 10+ years of experience, preferably including significant roles in large-scale research projects and/or consortia, supervisory responsibilities, and success with managing international partnerships and/or collaborations; excellent written and oral communication skills; strong interpersonal and leadership record. The Executive Director should have the capacity to stimulate enthusiasm for the project and the energy to help build a transformative project on a dynamic and complex funding and scientific landscape.

Additional Information: Further information on the International Barcode of Life project is available at www.iBOL.Project.org. Submit your resume (including the names of three potential referees) and a cover letter in confidence to EDsearch@iBOL.project.org by November 15, 2009. References will only be requested after individuals placed on the shortlist have authorized contact. Start date is flexible, but April 1, 2010 is the target.

The Division of Basic Pharmaceutical Sciences, Florida A&M University College of Pharmacy and Pharmaceutical Sciences invites applications for two full-time 12-month positions in the areas of Molecular Biology and Pharmacuetics.

Molecular Biology Position: The incumbent will have a PhD degree in the area of molecular biology. Areas of interest include but not limited to the identification of the molecular mechanisms of drug action and understanding of the molecular basis of toxicity. This is initially a non-tenure track position but it has the potential to become a tenure-track position based on performance.

Pharmaceutics Position: Individuals with experience and vision to develop research in the areas of drug delivery, nanotechnology and/or biopharmaceutics are encouraged to apply. A PhD degree in the discipline of pharmaceutics, physical pharmacy and/or biopharmaceutics is required.

The successful candidates would be expected to teach at the PharmD and graduate levels. The positions are at the Assistant/Associate Professor levels depending on qualification and experience. Review of applications will begin immediately and will continue until the positions are filled. Applicants should send a letter of interest, curriculum vitae, description of research interests and three letters of reference to: Seth Y. Ablordeppey, PhD., Chair, Division of Pharmaceutical Sciences, College of Pharmacy, Florida A&M University, Rm 201 Dyson Pharmacy Building, Tallahassee, FL 32307. Electronic submissions are welcomed. Send email with “Basic Pharmaceutical Sciences Application” as subject and addressed to seth.ablordeppey@famu.edu.

GRADUATE PROGRAM

Wellcome Trust Sanger Institute Four-Year PhD Studentships
Registered at the University of Cambridge

The Wellcome Trust Sanger Institute is internationally recognized as one of the world’s leading genome centres, and our programmes are at the forefront of experimental and computational genome research. These research programmes emphasise investigation of human genetic variation in health, cancer and other diseases, experimental genetic analysis of gene function in a variety of model organisms, biological studies of human and animal pathogens, and computational interpretation of genomic data.

Progress in biology is increasingly dependent on genomics, thus training in this area is not only rewarding, but will offer many opportunities in the future. Our graduate training programme is well established and has substantial support from the Wellcome Trust. We welcome applications from students who wish to join this exciting phase of our research as we move from genome sequence to genome function.

Highly competitive fully funded four-year studentships (tuition fees and stipend) will be available from October 2010 in the areas of genetics, functional genomics and computational biology. Studentships are open to UK and international students. For a full list of faculty research interests please see http://www.sanger.ac.uk/Teams/faculty.

For more information about our graduate programme and details on how to apply please visit our website http://www.sanger.ac.uk/careers/phd/.

Application closing date: 12th December 2009.

Please note that applying to our PhD programme is free.

Wellcome Trust Sanger Institute Clinical PhD Fellowships

We also provide funding for two Clinical Research Training Fellowships each year as part of the Cambridge Wellcome Trust PhD Programme for Clinicians. For more information please see http://www.cimr.cam.ac.uk/study/wtclinicians.html..
**Research Leader**

**Emerging Pathogen Discovery/Molecular Virology**

The Department of Infectious Diseases and Pathology at the University of Florida College of Veterinary Medicine is seeking a tenure-track research leader at the rank of Associate or Full Professor to join us in building a team of infectious disease researchers with expertise in clinical virology and epidemiology. The Department ([http://www.vetmed.ufl.edu/college/departments/patho/](http://www.vetmed.ufl.edu/college/departments/patho/)) has strong ties to the UF Emerging Pathogens Institute ([http://epi.ufl.edu/](http://epi.ufl.edu/)), which coordinates a multidisciplinary research program in infectious diseases across eight UF Colleges. The primary responsibility of the incumbent will be to:

- maintain a competitive extramurally-funded research program utilizing tools of molecular virology in virology research and the study of diseases of veterinary and/or public health interest;
- provide expertise in emerging diseases or foreign animal diseases; and
- assist in recruiting additional faculty to complete the research team designed to create synergies and collaborative research opportunities.

Applicants must have a DVM/PhD, MD/PhD or PhD and a record of NIH R01 or equivalent extramural funding as an independent investigator. Excellent research facilities for this position are available within a dynamic and expanding Health Science Center ([http://www.health.ufl.edu/](http://www.health.ufl.edu/)), the country’s only academic health center with six health-related colleges located on a single, contiguous campus. Applicants should submit a letter outlining professional goals, curriculum vitae, and list of three professional referees to:

Dr. William L. Castleman, Search Committee Chair, Department of Infectious Diseases and Pathology, College of Veterinary Medicine, P.O. Box 110880, University of Florida, Gainesville FL 32611-0880; e-mail castlemanw@vetmed.ufl.edu; fax: 352-392-9704. Review of applications will begin December 7, 2009 and will continue until the position is filled.

The University of Florida is an equal opportunity employer.

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**Cold Spring Harbor Laboratory is seeking a highly motivated applicant in the area of DEVELOPMENTAL NEUROSCIENCE**

The primary research focus of our highly collaborative faculty is neural circuits, including both how they function normally & how their dysfunction can lead to neuropsychiatric disorders. CSHL faculty approach questions at the genetic, molecular, developmental, systems, behavioral, computational & theoretical levels.

The successful candidate will have an outstanding record of research achievement & the ability to attract significant extramural research support. Of particular interest to this search are candidates using modern approaches to study neural circuit development & plasticity in rodent models. Applicants at the Assistant Professor & Associate Professor level will be considered.

Cold Spring Harbor Laboratory is a world-renowned research & educational institution with programs in cancer, neuroscience, plant biology, genomics & bioinformatics. The Laboratory is recognized internationally for its excellence in research & educational activities.

Review of applications will begin November 1, 2009 & will continue until positions are filled.

A cover letter, CV, description of research accomplishments & future research plans, & three letters of reference should be sent via email (PDF) with the subject line DEVELOPMENTAL NEUROSCIENCE SEARCH to the following address: devneuro09@cshl.edu

CSHL is an Equal Opportunity/Affirmative Action Employer.

**For more information: www.cshl.edu**

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**Professor of Comparative Medicine**

Texas Tech University (TTU) and the Texas Tech University Health Sciences Center (HSC) have collaborated to form a new Institute for Comparative and Experimental Medicine (ICEM). This new Institute will support the One Health National Initiative to study and provide solutions to human and animal health concerns. The institute will recruit a number of new faculty, assign and remodel new space suited to this line of research, and provide competitive start up funds in areas of comparative medicine including, but not limited to: • Infectious disease, vaccine development, immunology, or allergy • Inflammation • Bone health • Cardiovascular health • Diabetes and Obesity • Neuroscience • Imaging and Image Processing • Addiction • Cancer • Biomedical Engineering • Genomics and Metabolomics • Bioinformatics, Modeling and Advanced Biomedical Computing • Basic, translational and clinical studies

Collaboration with existing and newly hired ICEM faculty members in both computational and experimental research and interaction in a team environment are expected. Funds are available to remodel and equip shell space in our Experimental Sciences Building (ESB) for faculty who will be affiliated with TTU. Opportunities exist to collaborate on human clinical studies in the Texas Tech System. New faculty hires will have current competitive grant funding and a concurrent record of research productivity. Graduate student advising and teaching are expected in areas of interest to the faculty. Service to the institutions and the profession are important aspects of successful faculty candidates. The primary appointment may be in any academic department at either institution. The level of academic appointment is open to all ranks though there is a preference for positions at the Associate/Full Professor level.

Applicants must submit a letter of interest expressing their vision for research contributions and interactions, graduate education goals, complete resume/CV, the names of five references, and start-up requirements to: Institute for Comparative and Experimental Medicine, Texas Tech University, Experimental Sciences Building, Lubbock, TX 79409-3132. For more information visit http://www.icem.ttu.edu. Applications should be submitted to icem@ttu.edu. These positions shall remain open until filled.

Texas Tech University System is an Equal Opportunity Institution.

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**STONY BROOK UNIVERSITY MEDICAL CENTER**

Stony Brook University Medical Center, the only academic medical center on Long Island and the only tertiary care facility in Suffolk County, offers exciting opportunities to join our staff.

**Pathology Associate or Full Professor**

Stony Brook University Medical Center’s Department of Pathology invites applications from outstanding, interactive, and creative scientists who are qualified for appointment at the level of a tenured associate or full professor and have proven their ability to develop and apply novel concepts in basic or translational cancer research or stem cell research.

The successful candidate will have a solid track record of past funding at the national level and is expected to lead a strong, independent research program, attract external funding, and actively seek collaborations both within the department, university, and with our closely affiliated partner institutions: Cold Spring Harbor Laboratory and Brookhaven National Laboratory.

For a full position description, application procedures, or to apply online, visit: www.stonybrook.edu/jobs (JOBS Reference #: F-6035-09-09)

Equal Opportunity/Affirmative Action Employer: Women, people of color, individuals with disabilities, and veterans are encouraged to apply. Call (631) 444-4700 for a disability-related accommodation.

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**Karolinska Institutet invites applications for a Postdoc or Senior Scientist in Mouse Molecular Genetics / Molecular and Systems Biology**

A position is available immediately in the laboratory headed by Prof. Jussi Taipale ([jussi.taipale@ki.se]) at the Department of Biosciences and Nutrition, Karolinska Institutet. Current lines of work include genome-wide RNAi screening for regulators of signaling pathways and the cell cycle, and analysis of the molecular mechanisms of growth control in cultured cells and in mouse genetic models. Research in the laboratory combines in silico analyses with mouse molecular genetics to study function and regulation of expression of key cell cycle genes (see for example Hallikas et al. Cell 124:47-59, 2006; Björklund et al., Nature 439:1009-1013; Varjosalo et al., Cell 33:537-548, 2008; Tuupanen et al., Nature Genetics 41:885-890, 2009). The project is funded in part by a European Research Council (ERC) Advanced Grant for Frontier Research.

**Qualifications:**

Applicants with strong backgrounds in mouse molecular genetics who are interested in working in an interdisciplinary environment are particularly encouraged to apply. Please send your application, CV and three letters of reference marked with reference number 2009-09, to reach us by no later than December 15, 2009 to Karolinska Institutet, Department of Biosciences and Nutrition, att: Vivian Hildebrand, SE-141 57 Huddinge, Sweden. Please go to www.ki.se for more information.
The Graduate School of Nanoscience and Technology (GNaT) at KAIST invites applications for full-time, tenure-track or tenured faculty positions.

The Graduate School of Nanoscience and Technology is a newly established graduate program in the College of Natural Sciences at KAIST. Recently awarded the WCU (World Class University) project from Ministry of Education, Science, and Technology, we are looking for scientists who can create knowledge and develop high-impact technology in the interdisciplinary area of nanoscience and technology where physics, chemistry, biology, materials science, and engineering come together. Applicants must have a Ph.D., and some post-doctoral research experience is desirable. However, candidates from all fields, nationality, and ethnicity will be considered equally, and are encouraged to apply. The position is for a junior level professor, but senior level appointments are possible depending on qualifications.

Interested candidate should submit an official application form (available at http://www.kaist.ac.kr/english/02_faculty/01_recruit_52.php?pr=22) including a full publication list, research plan and teaching plan and at least three letters of recommendation to Prof. Jung H. Shin, Head, Graduate School of Nanoscience and Technology, KAIST, Daejeon, 305-701, Korea.

Applications completed by Jan 1st 2010 will be given full consideration, but the search will continue until the positions are filled. If you have any further inquiry, please contact Program head at jhs@kaist.ac.kr.

Humboldt-Universität zu Berlin

Within the framework of the newly founded Cluster of Excellence (www.neurocure.de) the Department of Biology in the Faculty of Mathematics and Natural Sciences (I) of the Humboldt-Universität zu Berlin is announcing a

W 3 Professorship for Neuronal Plasticity

to be filled at the nearest opportunity.

The Professorship in Neuronal Plasticity should analyse the convertibility of neuronal processes including synaptic transmission in the nervous system from a broad neurobiological and pathophysiological perspective. The professorship will work in close cooperation with 15 other new NeuroCure professorships as well as the Cluster’s more than 25 existing workgroups. The new NeuroCure building will be located on the Charité Mitte Campus in Berlin in direct proximity to the PIR for Infection Biology. The location thus offers numerous cooperation possibilities with workgroups, collaborative research centers (SFBs), research training groups (Graduiertenkollegs) and other joint research projects supported by these institutions. The professorship should contribute to the foundation training in the bachelor of biology degree program, in the master and PhD degree programs in molecular and organismic biology, biophysics, medical neurosciences and computational neuroscience and in the research training group Mind & Brain. During the funding period, the professorship is responsible for a four-hour teaching load.

The candidate must fulfill the requirements for professor as set forth in § 100 of the Berlin University Law (Berliner Hochschulgesetz).

As the Humboldt-Universität zu Berlin strives to increase the proportion of women in science and teaching, female candidates are particularly encouraged to apply. Applications from abroad are welcome. In the event of equal personal aptitudes and qualifications, disabled persons will be given priority.

Please address your application within 4 weeks, under the reference number PR/025/09, to the Humboldt-Universität zu Berlin, Dean of the Faculty of Mathematics and Science I Prof. Dr. Schön, Unter den Linden 6, 10099 Berlin, Germany. Since we cannot accept email applications, please send your printed application to the address given above.

If you have any further questions, please do not hesitate to contact us.

NeuroCure Office: Tel: +49 (0)30 450 539 702, neurocure@charite.de, www.neurocure.de

Institute for Structural and Molecular Biology (ISMB)

At University College London – Birkbeck College London

Lectureship in “Biophysical Mass Spectrometry”

The Institute for Structural and Molecular Biology (ISMB) is seeking applications to fill a lectureship in Biophysical Mass Spectrometry. We want to recruit an outstanding individual who is capable of developing world-class research in the development and application of mass spectrometry (MS) techniques and strategies in biophysics (for example the identification and characterisation of protein interactions, the characterisation of higher order protein structure and/or the characterisation of noncovalent complexes). Successful applicants will also be expected to make an appropriate contribution to the affiliated departments portfolios of graduate and undergraduate teaching. The salary range offered for this post will be within the University Lecturer (G8: £39,313 – £46,403 per annum inc. LW) range according to experience. The job description and person specification can be found at www.ismb.ucl.ac.uk/JO1MS.html and at the respective departmental web sites (http://www.smb.ucl.ac.uk/ and http://www.cryst.bbk.ac.uk/).

To apply, please visit the UCL Vacancies website and follow the on-line application process:
http://www.ucl.ac.uk/hr/vacancies/adverts/job-list.html. CVs should contain an account of applicant’s current research activities together with a plan of future research intentions. The Head of the ISMB, the UCL Research Department of Structural and Molecular Biology and of the Birkbeck Department of Biological Sciences is Professor Gabriel Waksman. He can be contacted informally for general information (email g.waksman@ucl.ac.uk or g.waksman@bbk.ac.uk).

Deadline for applications is 30th November 2009.

UCL Taking Action For Equality.

The University of Texas at Austin

Endowed Chair Position

The Institute for Cellular and Molecular Biology

The Institute for Cellular and Molecular Biology invites applications for an Endowed Chair Position. An academic appointment at the level of tenured Professor will be held in an appropriate academic unit in the College of Natural Sciences. Candidates should have an outstanding research program that applies molecular biological and/or biochemical approaches to important biological problems. Areas of interest include, but are not limited to, Biochemistry, Cancer Biology, and Human Genetics. The position carries an exceptional salary and start-up package.

Building on a strong existing faculty, the Institute has recruited more than 60 new faculty members in the past ten years. Faculty roster can be reviewed at http://www.icmb.utexas.edu. In addition to its highly interactive and interdisciplinary research environment, The Institute is the home base for the University-wide Graduate Program in Cell and Molecular Biology and supports the state-of-the-art core facilities for DNA and protein analysis, mass spectrometry, electron and confocal microscopy, DNA microarrays, robotics, X-ray crystallography, mouse genetic engineering, and NexGen genomic sequencing. An MD-PhD program with the UT Medical Branch and the new Dell Pediatrics Research Institute in Austin further enhance the environment for Biomedical Research.

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

Please send curriculum vitae, summary of research interests, and names of five references to:

Dr. Alan M. Lambowitz, Director
The Institute for Cellular and Molecular Biology
The University of Texas at Austin
1 University Station A4800
Austin TX 78712-0159

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

Science Careers
online @sciencecareers.org
Tenure Track Faculty Position
Assistant Professor/Associate Professor
The Ion Channel Research Unit (ICRU) at Duke University Medical Center invites applications for a tenure track faculty position.

The candidate should be a scientist or a physician-scientist with a laboratory research program in an area of membrane excitability and/or ion channel structure/function and/or ion channel physiology. Among the broad research areas relevant to this search are programs focusing on channelopathies, neuropsychiatric disorders and neuronal function, peripheral nociception, optogenetics, structural biology, and development.

The ICRU is a multi-departmental and interdisciplinary group of investigators organized around membrane excitability. The laboratory of the successful applicant will be within ICRU space adjacent to ICRU members and the applicant will receive a primary appointment in an appropriate basic or clinical department within the medical school. Opportunities to interact with and build upon programs relevant to membrane excitability include those in neuroscience, cardiac electrophysiology, structural biology, hormone signaling, renal physiology, and development.

The candidate is expected to work primarily as laboratory researcher. High priority will be placed on creativity in laboratory research, potential for independent funding, and dedication to excellence in teaching. A generous start up package commensurate with the candidate’s academic level will be provided.

Interested individuals should submit a CV, statement of research interest, and requests that three letters of reference be sent to icru@mc.duke.edu. The deadline for receipt of applications is December 8, 2009.

Duke University Medical Center is an Equal Opportunity/Affirmative Action Employer.

Assistant or Associate Professor
MODELING NEUROBIOLOGICAL SYSTEMS/COMPUTATIONAL NEUROSCIENCE
The Division of Biological Sciences (www.biology.missouri.edu) at the University of Missouri-Columbia invites applications for a tenure or tenure-track position in modeling neurobiological systems / computational neuroscience. We are particularly interested in candidates who develop, expand and evaluate modeling tools to study neurobiological problems. This is the second in a series of hires designed to increase computational/modeling approaches in our department. The successful candidate will join a diverse group of biologists with interests in neurobiology and behavior, cell and developmental biology, and ecology and evolutionary biology. There are strong possibilities for joint appointments with either Biological Engineering or Electrical/Computer Engineering if the candidate and department(s) are interested.

We offer a highly competitive salary and start-up package, an active doctoral program with institutional and federal support for students, and a highly interactive faculty.

Send application by e-mail to: neumod@missouri.edu. Attach a single Adobe Acrobat PDF or Microsoft Word document that includes your vita and statement of research and teaching interests. Please have three letters of reference mailed to: John David, Chair, Division of Biological Sciences, 105 Tucker Hall, University of Missouri, Columbia, MO 65211-7400. Review of applications will begin December 15, 2009. To request ADA accommodation contact Johnette Blair at 573-882-6650 or BlairJo@missouri.edu.

MU is an Equal Opportunity-Affirmative Action Employer. We are committed to ethnic, racial, and gender diversity in our faculty and strongly encourage applications from women and members of groups underrepresented in science.

The Department of Physiology and Biophysics invites applications for a position at the rank of Assistant Professor for an individual with research interests in the electrophysiology of excitable cells and tissues. Candidates whose research incorporates modern molecular biological imaging techniques will be given preference. Applicants must have a Ph.D., M.D., or equivalent degree, postdoctoral training, excellent communication skills, and a strong record of peer-reviewed publications. The successful candidate will be expected to develop active and synergistic research collaborations with other basic science or clinical researchers in the Faculty of Medicine, to develop an externally funded research program, and to participate in the teaching mission of the Department. This is a salaried, probationary, tenure-track appointment; however, the candidate will be encouraged to apply for external salary support from appropriate granting agencies.

Interested applicants should submit curriculum vitae along with a brief description of research and teaching experience and interests, and arrange to have three letters of reference sent directly to: Dr. Paul R. Murphy, Head, Department of Physiology and Biophysics, Faculty of Medicine, Dalhousie University, Sir Charles Tupper Medical Building, 8580 College Street, Halifax, Nova Scotia B3H 1X5 Canada.

Review of applications will begin in November 2009 and will continue until the position is filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Dalhousie University is an Employment Equity/Affirmative Action Employer. The University encourages applications from qualified Aboriginal people, persons with a disability, racially visible persons, and women.

Texas A&M University invites qualified applicants to apply for the position of PROFESSOR AND HEAD, Department of Entomology in College Station, Texas. Applications will be accepted through January 15, 2010, or until a suitable candidate is selected. Position is available June 1, 2010. Specific duties and responsibilities include: (1) provide intellectual and philosophical leadership of faculty, staff, and students for integrated academic, research, and extension programs, and with expanding international activities; (2) manage and coordinate departmental human, fiscal, and physical resources; (3) serve as primary advocate for the Department to the administration in the College of Agriculture and Life Sciences and The Texas A&M University System agencies, and lead in the development of innovative joint ventures with other academic units; (4) provide leadership for statewide entomological programs of Texas; (5) represent the Department to commodity groups, state and federal agencies, other partners and collaborators; and (6) provide leadership for continued acquisition of internal and external resources. See detailed announcement at website: http://insects.tamu.edu/departmentheadsearch/. Submit inquiries to e-mail: entodhsearch@ag.tamu.edu. Applications should be submitted to website: http://GreatJobs.tamu.edu NOV* 04537.

We deliver customized job alerts.
www.ScienceCareers.org

Assistant or Associate Professor
MODELING NEUROBIOLOGICAL SYSTEMS/COMPUTATIONAL NEUROSCIENCE
The Division of Biological Sciences (www.biology.missouri.edu) at the University of Missouri-Columbia invites applications for a tenure or tenure-track position in modeling neurobiological systems / computational neuroscience. We are particularly interested in candidates who develop, expand and evaluate modeling tools to study neurobiological problems. This is the second in a series of hires designed to increase computational/modeling approaches in our department. The successful candidate will join a diverse group of biologists with interests in neurobiology and behavior, cell and developmental biology, and ecology and evolutionary biology. There are strong possibilities for joint appointments with either Biological Engineering or Electrical/Computer Engineering if the candidate and department(s) are interested.

We offer a highly competitive salary and start-up package, an active doctoral program with institutional and federal support for students, and a highly interactive faculty.

Send application by e-mail to: neumod@missouri.edu. Attach a single Adobe Acrobat PDF or Microsoft Word document that includes your vita and statement of research and teaching interests. Please have three letters of reference mailed to: John David, Chair, Division of Biological Sciences, 105 Tucker Hall, University of Missouri, Columbia, MO 65211-7400. Review of applications will begin December 15, 2009. To request ADA accommodation contact Johnette Blair at 573-882-6650 or BlairJo@missouri.edu.

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Interested applicants should submit curriculum vitae along with a brief description of research and teaching experience and interests, and arrange to have three letters of reference sent directly to: Dr. Paul R. Murphy, Head, Department of Physiology and Biophysics, Faculty of Medicine, Dalhousie University, Sir Charles Tupper Medical Building, 8580 College Street, Halifax, Nova Scotia B3H 1X5 Canada.

Review of applications will begin in November 2009 and will continue until the position is filled.

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We deliver customized job alerts.
www.ScienceCareers.org
Applications are sought for research faculty at the level of assistant, associate, or full professor to participate in the development and growth of our unique academic centers: The Center for Biomarker Research, the Center for Rare Disease Therapies, the Center for Network Studies, and the Amgen Bioprocessing Center. We seek entrepreneurial individuals dedicated to excellence in the applied life sciences, with a PhD in a relevant science or engineering field, who currently have research funding and who will be able to support their research through external funding from federal agencies, private foundations, or through industry sponsored translational research and development activities. Startup funds, laboratory space including wet labs for business incubators, and access to shared facilities and research infrastructure will be provided. For further details, please visit http://www.kgi.edu/x9983.xml. Keck Graduate Institute, a member of the Claremont Colleges, is small and interdisciplinary, dedicated to education and research, with no departmental boundaries, and with strong connections to the Life Science Industry. Applications should include a cover letter describing interests, plans for research, and desired center affiliation, a CV, a list of recent, current, and pending research support, and a list of 3 contacts for references. For appointments starting Spring or Summer of 2010, submit applications via email by December 15, 2009 to Research Faculty Search Committee, Keck Graduate Institute of Applied Life Sciences, faculty-search@kgi.edu.

KGI is an Equal Opportunity Employer.

PRESIDENT AND DIRECTOR
Fred Hutchinson Cancer Research Center (FHCRC) is a world leader in research to understand, treat and prevent cancer, HIV/AIDS and other life-threatening diseases. Founding members of the Center are credited with pioneering bone-marrow transplantation as a successful treatment for leukemia and other blood diseases. Today, FHCRC is an institution of world-renowned depth and variety and home of more than 2,800 scientists and staff, including three Nobel laureates.

FHCRC is seeking a dynamic and nationally recognized leader to assume oversight of the Center and its direction as President and Director. This role represents an exceptional opportunity to shape and lead a diverse team of scientists conducting cancer-related research and advancing the transfer of new diagnostic and treatment techniques from the research setting to patient care. The President and Director (President) of FHCRC is responsible for strengthening and advancing the basic, public health sciences, human biology, clinical research, and vaccine and infectious disease research which is FHCRC’s mission. The ideal candidate will bring a M.D. or Ph.D. and exceptional management and administrative skills derived from a senior management role within a highly complex and diverse research organization. The ideal candidate will have a scientific background from a broad set of disciplines or notable accomplishments within his/her focused area of expertise. The ideal candidate will be a highly charismatic, energetic, and diplomatic leader with the interpersonal skills and intellect needed to lead FHCRC.

Russell Reynolds Associates is working closely with the Search Committee to facilitate this important search. Please forward letters of interest or recommendation to:

Fred Hutchinson Cancer Research Center
C/O Carol Emmott/Nalini Perkins
Russell Reynolds Associates
1701 Pennsylvania Avenue NW
Suite 400
Washington, DC 20006
mmaloney@russellreynolds.com

Group Leader Position
(Population Genetics, Genomics and Evolution)
Gregor Mendel Institute, Vienna, Austria

The Gregor Mendel Institute of Molecular Plant Biology (GMI), founded by the Austrian Academy of Sciences in 2000, is a leading institute in the field of plant molecular biology located at the prestigious Vienna Biocenter Campus. Current research topics include population genetics, epigenetics, chromosome biology, developmental biology and plant stress signal transduction. For more information, see website: www.gmi.oeaw.ac.at

The research topic of the new Group Leader should be in the broad field of plant genomics, systems biology, or population genetics, preferably with a connection to evolution. Side projects involving organisms other than plants are welcome.

The GMI offers internationally competitive packages, including substantial institutional funding and access to state-of-the-art core facilities. The initial contract will be for 5 years (extension is subject to review).

Please send your application, including a curriculum vitae, a description of your proposed research, and contact details for three referees to Christiane Haffner (christiane.haffner@gmi.oeaw.ac.at). Review of applications will begin on 1 December 2009. Informal inquiries can be directed to Dr. Magnus Nordborg (magnus.nordborg@gmi.oeaw.ac.at).
ASSISTANT OR ASSOCIATE PROFESSOR
Cognitive Neuroscience (tenure track)
University of Washington Institute for Learning and Brain Sciences

The University of Washington’s Institute for Learning and Brain Sciences (IBAS), an interdisciplinary basic research center, has a tenure-track faculty opening for an Assistant/Associate Professor in cognitive neuroscience with a focus on language. Departmental affiliation can be in Psychology, Speech and Hearing Sciences, Linguistics, or Biology, depending on the applicant’s background and training. Ph.D. required.

Appointment at the Associate Professor level will be considered for candidates who have an outstanding research record. IBAS faculty study life-like hearing and speaking and specialize in human cognitive development and learning. We have a growing developmental group at the Institute. The Institute will open its own Magnetoencephalography Brain Imaging Center in April 2010.

The successful candidate will be one who brings expertise in human cognitive neuroscience with a focus in the domain of language, development, and/or research using MEG/event-related potentials. Faculty responsibilities will begin in September 2010.

Applicants should send a statement of teaching and research interests, curriculum vitae, up to five publication reprints, and three letters of recommendation to: Patricia Kuhl, Co-Director, Institute for Learning and Brain Sciences, 3655 53rd Avenue S, University of Washington, Seattle, WA 98195. E-mail: pkuhul@uwashington.edu Review of applications will begin January 15, 2010, and will continue until the position is filled.

The University of Washington is an Affirmative Action, Equal Opportunity Employer, and is strongly committed to excellence in undergraduate teaching, in mentoring original undergraduate research, and in advising, including the sharing of advising responsibilities for undergraduates interested in biological and health professions. Teaching requirements will include micro- biology, introductory biology, and a first- and/or second-year seminar course. In addition, the applicant will teach an upper-level elective course, or courses, in the area of expertise that will complement and support the biomedical concentration. Candidates with expertise in immunology are of special interest, but microbiologists with expertise in other areas that complement our departmental offerings are also encouraged to apply. The successful candidate must have excellent communication skills and an earned Ph.D. by May 2010. Postdoctoral and teaching experience is preferred. Applicants should be strongly committed to excellence in teaching and advising, and to working in a multicultural environment that fosters diversity. They should also have an ability to use technology effectively in teaching and learning, the ability to work collaboratively, a scholarly and innovative commitment to public higher education. Salary commensurate with experience. Interested applicants should apply online at website: http://jobs.bridgewater.edu and attach the following documents to their online application: a letter of interest, curriculum vitae, and supporting statements of teaching and research. Review of applications will continue until the position is filled.

BIOPHYSICIST
Wilkes University invites applications for a tenure-track ASSISTANT PROFESSOR appointment in the Department of Biology and Division of Engineering (Physics). We seek a candidate with expertise in biophysics, biomechanics, or bioengineering, with the ability to teach and conduct research at the interface of biology and physics in an undergraduate setting. The appointment requires a Ph.D. in a relevant field, and postdoctoral experience is preferred.

The successful candidate will develop a strong research program involving undergraduates and participate in a project to revise the curricula in physics and biology. Teaching responsibilities will include introductory physics and upper-level undergraduate courses in an area of expertise. A competitive startup package, supported with funding from the Howard Hughes Medical Institute, is available.

Applicants should submit a letter of application along with their curriculum vitae, statements of teaching and research goals, and recent reprints to: Pam Groth, Highway Medical Mall, Wilkes University, Biology Assistant Professor Search, Reference #B10004, P.O. Box 3924, Scranton, PA 18508-0924. Indicate the reference number on the envelope. To apply electronically, send application materials to e-mail: apply@wilkes.edu and indicate the reference number in the e-mail subject line. Kindly arrange to have three letters of reference sent to the same address. Please include the reference number, or the application will not be processed.

Please submit all materials by November 23, 2009. For further information about this position, please contact the Chair of the Search Committee, Dr. William Terzaghi, e-mail: william.terzaghi@wilkes.edu.

Wilkes University is an Equal Opportunity Employer committed to a diverse faculty, staff, and student body. Applicants from diverse backgrounds are strongly encouraged to apply.

Black Hills State University seeks a broadly trained INORGANIC CHEMIST for a tenure-track position in the Department of Chemistry beginning August 2010. Ph.D. in chemistry is required. Primary duties include teaching inorganic chemistry for undergraduates, establishing a research program, and grant writing. Candidates must have research interests in one or more of the following: coordinative, photovoltaic, electroactive nanoscale systems or be able to take advantage of the nearby deep underground laboratory. To apply go to website: http://yourfuture.sdbor.edu and provide a letter of interest, curriculum vitae, and a statement of teaching and research interests. Have three letters of reference sent directly to: Dr. M. Zehlits, Unit 9088, 1200 University Street, Spearfish, SD 57799. Review of applications begin November 13, 2009, and continue until position is filled.

The Department of Oncological Sciences of the Mount Sinai School of Medicine is seeking an ACADEMIC TRACK FACULTY at all levels. Candidates must have Ph.D., M.D., or dual degrees and a strong background in research relevant to cancer biology. Candidates are expected to submit a curriculum vitae, including contact details for at least three references, and a summary of research accomplishments and plans for future research directions no later than December 29, 2009. Applications may be submitted electronically to e-mail: oncsci.search@msmm.edu or by surface mail to: Search Committee, Department of Oncological Sciences, Mount Sinai School of Medicine, One Gustave L. Levy Place, Box 1130, New York, NY 10029.

ASSISTANT PROFESSOR, BIOLOGY
Arcadia University

The Department of Biology invites applications for a full-time tenure-track Assistant Professor position in neurobiology beginning fall 2010. Ranked among the top tier of comprehensive universities in the northern region of the United States, Arcadia University is a coeducational institution located in suburban Philadelphia that offers graduate and undergraduate study to more than 3,500 students annually. The successful candidate will teach an upper-level neurobiology elective to biology majors and in the general biology sequence. Experience in undergraduate teaching needs will be considered. Applicants are expected to engage undergraduate students in neurobiology-related research projects, so postdoctoral experience in this area is highly desirable. We especially encourage applications from candidates able to employ a variety of approaches to one or more of the following subdisciplines of neurobiology: development, neural and molecular mechanisms of learning and memory, and neuro- plasticity. Applicants must have an earned doctorate, a dedication to teaching biology majors and nonmajors, and teaching experience at the university level. For full consideration, submit letter of intent, statement of teaching philosophy, statement of research goals, curriculum vitae, and three letters of recommendation by December 15, 2009, to: Dr. Archie Vomacka, Department of Biology, Arcadia University, 450 S. Easton Road, Glenside, PA 19038. Telephone: 215-572-2199; fax: 215-881-8758; e-mail: vomacka@arcadia.edu. Arcadia University seeks candidates of diverse cultural backgrounds and abilities. As an Affirmative Action/Equal Opportunity Employer, Arcadia University encourages members of underrepresented groups to apply.

FACULTY: DEVELOPMENTAL BIOLOGY

The University of New England invites applications for an associate or full professor faculty position in development biology. Details are available at website: http://www.une.edu/hr/ads/aapdevbio. Applicants should submit electronic copies of their curriculum vitae and statement of research interests to Dr. William Groth, e-mail: WilliamGroth@une.edu. Review of applications will begin immediately and continue until position is filled. UNE is an Equal Opportunity/Affirmative Action Employer and strongly encourages candidates of diverse backgrounds.
Faculty Position in Quantitative Biology University of North Carolina at Chapel Hill

The Department of Biology in the College of Arts and Sciences at the University of North Carolina at Chapel Hill, in conjunction with the Lineberger Comprehensive Cancer Center (LCCC) and the Carolina Center for Genome Sciences (CCGS), seeks a colleague who is applying quantitative and/or computational methods to the study of molecular, cellular or developmental systems relevant to cancer. Examples of appropriate specializations include, but are not limited to, the use of genomics-based, quantitative tools to study physical processes within the cell, developmental processes unfolding at multiple scales, and epigenetic control of genome function. Research may or may not be purely computational. The search is open to any rank, with exceptional junior candidates especially encouraged to apply. The successful candidate will contribute to a new initiative in Quantitative Biology (http://www.bio.unc.edu/News/FacultySearch/UNC_Obio_Program.pdf) and would likely be affiliated with the NIH-funded graduate Curriculum in Bioinformatics and Computational Biology (http://cbcb.unc.edu/).

TO APPLY: Submit a cover letter ending with up to 5 key words, a CV, a research statement (~3 pages), a teaching statement (~2 pages), and optionally one additional supporting document online at jobs.unc.edu/1002043. Four letters of reference are required, and may be submitted electronically to cpasternak@bio.unc.edu or by mail to: Quantitative Biology Search Committee, Department of Biology, CB# 3280, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3280.

Review of applications will begin November 16, 2009, with interviews occurring in February and March 2010. The position will be effective on or after July 1, 2010. The successful candidate must have a Ph.D. in a relevant field by the effective date. The position is open until filled. For inquiries, please contact Dr. Jeff Dangl (dangl@email.unc.edu; 919-962-5624) or Dr. Jason Lieb (lieb@email.unc.edu; 919-843-3228).

The University of North Carolina is an Equal Opportunity Employer. www.bio.unc.edu

Chair, Department of Biochemistry and Molecular Biology

The University of Arkansas for Medical Sciences (UAMS) College of Medicine invites applications and nominations for the position of Chair, Department of Biochemistry and Molecular Biology. The successful candidate is expected to have a record of outstanding accomplishments in research and education in biochemistry or molecular biology.

The Chair reports to the Dean of the College of Medicine and is responsible for the overall academic, administrative, and fiscal leadership of the department. The department has 15 tenure track faculty with research strengths in many areas, including protein structure/function, glycolobiology, signaling, nutrition, membrane biology, and tumor biology. Further information about the department is at http://www.uams.edu/biochem.

Review of applications will begin December 1, 2009, and will continue until the position is filled. Email submission is preferred, with curriculum vitae, statement of career goals, and names of three references attached as PDF files. Applications and nominations should be submitted to:

Michael L. Jennings, Ph.D. Chair, Department of Physiology & Biophysics University of Arkansas for Medical Sciences 4301 West Markham St., #505 Little Rock, AR 72205 Phone: 501-296-1458 Fax: 501-686-8167 Email: JenningsMichaelL@uams.edu

UAMS is an equal opportunity employer and promotes workplace diversity. Women and members of underrepresented minorities are strongly encouraged to apply.
FACULTY POSITIONS IN BIOLOGY
Indiana University-Purdue University Indianapolis

The Department of Biology at Indiana University–Purdue University Indianapolis (IUPUI) (website: http://www.biology.iupui.edu/) invites applications for three to five tenure-track faculty positions at any rank, to begin August 2010. Candidates will be expected to have a firm commitment to research excellence who complement and expand departmental and campuswide interdisciplinary research programs in the life and health sciences. Areas of research specialization are open, but we are especially interested in addressing under- graduate instructional needs in genetics and molecular biology and in biochemistry. Diverse opportunities for collaboration exist with faculty in the School of Science, School of Engineering, School of Pharmacy and Pharmacal Sciences, and the adjacent Indiana University School of Medicine and its state-of-the-art core facilities, as well as with scientists in nearby pharmaceutical and biotechnology companies. See the Faculty Search file at the biology home page (listed above) for links to IUPUI research resources.

Applications must have a Ph.D. with postdoctoral experience, demonstrate evidence of research excellence and the ability to initiate and maintain an externally funded research program, and must have a background appropriate for successful teaching at the graduate and/or undergraduate levels. Applicants at the Associate or Full Professor level must have an excellent record of research excellence, external funding, and student mentoring. Tenure may be offered to a successful senior candidate, depending on the candidate’s qualifications and accomplishments.

Candidates officially accepted for the curricu- lum vitae, a statement of research plans, a description of teaching experience and teaching philosophy, and names and contact information for three references as a single PDF file to Dr. N. Douglas Lees, Chair, Faculty Search Committee, e-mail: biol116@iupui. edu. Review of applications will continue until all positions are filled. Application review will commence on 15 November 2009, but those received by 15 December 2009 will receive full consideration.

IUPUI is Indiana’s life and health science campus, with over $300 million in research awards. IUPUI attracts over 30,000 students, offers over 180 undergraduate and graduate programs, and maintains a world-class School of Science. IUPUI School of Science enrolls more than 2,300 majors, including approximately 300 M.S. or Ph.D. students. IUPUI was recognized in the 2009 U.S. News and World Report Colleges and Universities—National, Liberal Arts issue as number 77 campuses “everyone should be watching” and in the 2008 Forbes.com list, Top 15 percent of America’s Best Colleges. Indianapolis, the 13th largest city in the United States, is the cultural and political center of Indiana, and was recently ranked the nation’s most affordable major housing market.

IUPUI is an Equal Employment Opportunity/Affirmative Action Employer with a strong commitment to increasing faculty diversity. We seek to attract a diverse applicant pool for this position, including women and members of minority groups.

Georgetown University wishes to recruit a tenure-track ASSISTANT PROFESSOR in physical chem- istry to begin fall 2010. Areas of research are open, but proposals related to sustainable energy or environmental chemistry are preferred. Candidates must have a Ph.D. degree in chemistry or a closely related field and significant postdoctoral training or equivalent. Development of an internationally recognized research program and teaching at the graduate and undergraduate levels are expected. Please send curriculum vitae, description of research plans, and statement of teaching philosophy, and arrange for three letters of recommendation to be sent to: Faculty Search Committee, Department of Chemistry, Chemistry Hall, Room 2027, Washington, DC 20057-1227. For full consideration, complete applications should arrive before November 23, 2009. Georgetown University is an Affirmative Action/Equal Opportunity Employer; applicants from qualified men and minority candidates are encouraged.

FACULTY POSITIONS
Biochemistry and Molecular Biology
Johns Hopkins Bloomberg School of Public Health

The Department of Biochemistry and Molecu- lar Biology at the Bloomberg School of Public Health at Johns Hopkins University invites applications for tenure-track faculty positions, preferably at the ASSISTANT PROFESSOR level. We seek outstanding applicants with a demonstrated commitment to excellence in both research and education. Preference will be given to those who have demonstrated excellence in both cellular and molecular, and/or structural level. Areas of particular interest are cancer biology and genome biology. Other favored areas include reproductive biology, cardiovascular and metabolic pathways, cancer, and aging. Successful applicants will be expected to establish an outstanding research program, be strongly committed to graduate-level training and education, and contribute to the success of the Department and School. Information about the application process and recent faculty hires can be found at website: http://www.jhsph. edu/facultysearch. Applications will be accepted until January 30, 2010. We encourage applications from women and minority candidates.

The John Hopkins University is an Equal Opportunity/Affirmative Action Employer.

MULTIPLE FACULTY POSITIONS IN ENERGY-RELATED RESEARCH
University of Notre Dame

As part of a campuswide sustainable energy ini- tiative, the College of Science and Engineering at the University of Notre Dame invite applications for multiple, open-rank positions, including endowed chairs, in energy-related research. The engineering positions are focused on enabling novel separations with areas of interest broadly including the theoretical and experimental development of novel materials and/or approaches for separations using adsorption, adsorption, membranes, and biological or hybrid systems. Energy- related chemistry positions include air separation, an energy-intensive groundwater remediation and waste- treatment methods, water desalination, recovery of dilute organics from aqueous solutions, and actinide/nuclear separations, among others. The science positions are broadly defined to include materials synthesis and characterization, molecular and heterogenous catalysis, bio- and photochemical energy conversion and storage, as enabled by novel experi- mental and theoretical chemical science. Successful candidates will bring strong programs in engineering or chemical sciences, will embrace collaborations within and across disciplines, and will incorporate excellence in both undergraduate and graduate ed- ucation. Primary and joint appointments are envisioned in the Departments of Chemical and Biomolecular Engineering, Civil Engineering and Geological Sci- ences, Aerospace and Mechanical Engineering, and Chemistry and Biochemistry.

Applications should submit curriculum vitae, list of publications, detailed research plans, and statement of teaching interests. Junior candidates must also arrange for three letters of recommendation while senior applicants can apply in confidence. Applications will be reviewed beginning November 1, 2009, continuing until the positions are filled. Engineering applicants should send materials electronically to shane.letting@nd.edu (subject: Energy Search Committee, c/o Barb Villarosa, Notre Dame Energy Center, 182 Fitzpatrick Hall, University of Notre Dame, Notre Dame, IN 46556). Chemistry applicants should use the weblink provided in the Employment Opportunity site at website: http://chemistry.nd.edu or send applications by surface mail to: Energy Search Committee, Department of Chemistry and Biochemistry, University of Notre Dame, 231 Nieuwland Science Hall, Notre Dame, IN 46556.

The University of Notre Dame, an Equal Opportunity Employer, is an Affirmative Action/Equal Opportunity Employer; applicants from qualified men and minority candidates are encouraged.

FACULTY POSITIONS IN FISHERIES RESEARCH
Associate or Full Professor Level

The Department of Biology seeks an outstanding individual for a newly created endowed chair dedicated to the research of fish and/or fisheries. The Liber Ero Chair is also supported, by an endowment that will generate base research funds. This Chair is being established in the context of a changing climate and ocean, anthropogenic impacts on marine eco- systems, and declining fish populations. The appoin- tee will have a strong interdisciplinary research profile that complements the Department’s existing strengths in aquatic sciences. Departmental programs have a strong field component both on and under water, and the successful candidate will have a strong research interest in understanding the biology of marine and freshwater habitats, and the relationships between biology and human activities. Applicants in all relevant research areas are encouraged, including fisheries oceanography, the role of fish in marine ecosystems, community or population biology of fishes, and fish behaviour ecology or ecophysiology. Applications should address how research will address the response(s) to environmental changes.

The Chair will be occupied by a senior scientist of international renown appointed for a five-year term that is renewable. The appointee is expected to demon- strate research excellence through publication record, funding history, and current projects. In addition, ex- cellent communication skills and a commitment to institu- tion and outreach. The successful candidate will also demonstrate genuine interest in curriculum develop- ment at undergraduate and graduate levels. The Uni- versity of Notre Dame is committed to opportunities for research collaborations, including existing fish ecolo- gy and genomics programs, the Venus and Neptune Canada cabled observatories, and interactions with researchers at the Bamfield Marine Sciences Centre. Additional research facilities include a coastal research vessel and an extensive aquatics facility. The Univer- sity’s location provides superb access to many marine habitats for research and teaching. More information is available at website: http://www.nd.edu/biology/or-lbc.

The closing date for applications is January 15, 2010. Interested applicants should send curriculum vitae, a teaching dossier, and contact information for three references to:

Dr. William Hiertz, Chair
Department of Biology
University of Victoria
P.O. Box 3020, Station CSC
Victoria, BC V8W 3N5 Canada

In accordance with the University’s Equity Plan and pursu- ant to Section 4 of the British Columbia Human Rights Code, preference to be given to women, who are encouraged to self-identify. All qualified candidates are encouraged to apply; how- ever, in accordance with Canadian Immigration requirements, Canadians and permanent residents will be given priority.

YALE UNIVERSITY SCHOOL OF MEDICINE
Yale Program for Cellular Neuroscience, Neurodegeneration, and Repair

Website: http://info.med.yale.edu/cnr

Open position for a Program of Advanced Light Microscopy Imaging Facility (part time or full time). Mission of the facility is to be available to mem- bers of the Cellular Neuroscience, Neurodegeneration, and Repair program state-of-the-art light microscopy (including two-photon and spinning disk confocal and total internal reflection fluorescence microscopy) and related technical support. The successful candi- date is expected to manage the facility, to assist and train investigators familiarized with advanced microscopy methodology and equipment.

Ph.D. in physics or biology and experience in mi- croscopy and image processing required. Applications, including cover letter, curriculum vitae, and names of at least three references, should be sent by email to Charlene Bloch, e-mail: charlene.bloch@yale.edu and are due by December 1, 2009.

Applications from, or nominations of, women and minority scientists are encouraged. Yale is an Affirmative Action/Equal Opportunity Employer.

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Microbiology and Developmental Biology Faculty Positions

The Department of Biological Sciences at Wayne State University has two tenure track openings for new faculty, at either the ASSISTANT PROFESSOR or tenured ASSOCIATE or FULL PROFESSOR levels. We seek individuals studying fundamental problems in microbiology, and in developmental biology. Applicants must have a Ph.D. or equivalent degree, postdoctoral experience, and an established track record of accomplishments appropriate for the level of appointment. A record of outstanding achievement, a promising research program, and a commitment to teaching and service are more important than the particular sub-discipline of these fields of study. We are particularly interested in applicants who use innovative theoretical and/or experimental approaches to advance our mechanistic understanding of living systems. Scientists using multi-disciplinary or integrated approaches are especially encouraged to apply. Applications from dual career couples are encouraged. Applicants are expected to develop and maintain a vigorous, externally funded research program, to participate in graduate and undergraduate education and training, and to participate in service to the department, college, and university. Wayne State University is among the top 50 public research universities as ranked by the National Science Foundation and is noted among the 15 best research institutions at which to work in academia in the nation according to a 2006 survey by The Scientist.

Both positions will officially be posted on-line at jobs.wayne.edu by the end of October. Only those application materials that are submitted to this site will be considered. In addition to an online application that includes cover letter and curriculum vitae, applicants must submit a 2-page statement of their future research plans and have three letters of reference sent to: Chair, Faculty Search Committee, Department of Biological Sciences, Wayne State University, 5047 Gullen Mall, Detroit, MI 48202. Review of applications will begin on November 16, 2009 and the search will remain open until the positions have been filled. Applications will be considered only when all the materials have been received.

Wayne State University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are especially encouraged to apply.

Animal Physiologist Faculty Position

The Department of Biological Sciences at Wayne State University has an opening for a new tenure-track faculty member at the ASSISTANT PROFESSOR level. We seek an individual studying fundamental problems in animal physiology. Applicants must have a Ph.D. or equivalent degree, postdoctoral experience, and an established track record of accomplishments. A record of outstanding achievement, a promising research program, and a commitment to teaching and service are more important than the research sub-discipline of physiology. We are particularly interested in applicants who use innovative theoretical and/or experimental approaches to advance our mechanistic understanding of living systems. Scientists using multi-disciplinary or integrated approaches are especially encouraged to apply. The successful applicant will be expected to teach an undergraduate course in human physiology and one other graduate or undergraduate course each academic year. Applicants are also expected to develop and maintain a vigorous, externally funded research program, and to participate in service to the department, college, and university.

Wayne State University is among the top 50 public research universities as ranked by the National Science Foundation and is noted among the 15 best research institutions at which to work in academia in the nation according to a 2006 survey by The Scientist.

The position will officially be posted on-line at jobs.wayne.edu by the end of October. Only those application materials that are submitted to this site will be considered. In addition to an online application that includes cover letter and curriculum vitae, applicants must submit a 2-page statement of their future research plans and have three letters of reference sent to: Chair, Faculty Search Committee, Department of Biological Sciences, Wayne State University, 5047 Gullen Mall, Detroit, MI 48202. Review of applications will begin on November 16, 2009 and the search will remain open until the position has been filled. Applications will be considered only when all the materials have been received.

Wayne State University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are especially encouraged to apply.

FACULTY POSITION IN BIOLOGICAL CHEMISTRY

The University of New Mexico Department of Chemistry and Chemical Biology seeks to fill a faculty position at the level of Assistant or Associate Professor for Fall 2010. This is a probationary appointment leading to a tenure decision. Candidates are sought in the field of experimental biological chemistry with an emphasis on nucleic acid or protein structure and function, molecular systems biology, or synthetic biology. Minimum qualifications include a PhD in chemistry or a related field. Preferred qualifications at the assistant professor level include a PhD in chemistry, biochemistry or biophysics, post-doctoral experience, and outstanding potential for research and teaching. Preferred qualifications at the associate professor level include the above plus outstanding established research and teaching records. The successful applicant will be expected to demonstrate, as part of the interview process, their ability to teach undergraduate and graduate biological chemistry courses and their ability to build a nationally recognized and externally funded research program.

For best consideration, applicants should apply by January 15, 2010. The position will remain open until filled. To apply and to learn more about the position visit our website at http://chemistry.unm.edu/faculty_jobs.php.

The University of New Mexico is an Equal Opportunity Employer.

FACULTY POSITION IN CHEMICAL NANOSCIENCE

The University of New Mexico Department of Chemistry and Chemical Biology seeks to fill a faculty position (tenure-track) at the level of Assistant or Associate Professor for Fall 2010. This is a probationary appointment leading to a tenure decision. Candidates are sought in the field of nanoscience with an emphasis on energy-related research. Minimum qualifications include a PhD in chemistry or a related field. Preferred qualifications at the assistant professor level include a PhD in chemistry, biochemistry or biophysics, post-doctoral experience, and outstanding potential for research and teaching. Preferred qualifications at the associate professor level include the above plus outstanding established research and teaching records. The successful applicant will be expected to demonstrate, as part of the interview process, their ability to teach undergraduate and graduate chemistry courses and their ability to build a nationally recognized and externally funded research program.

For best consideration, applicants should apply by January 15, 2010. The position will remain open until filled. To apply and to learn more about the position, visit our website at http://chemistry.unm.edu/faculty_jobs.php.

The University of New Mexico is an Equal Opportunity Employer.

ANNOUNCEMENTS

Africa Rice Center, AfricaRice

The new name represents the Center’s pan-African character as its membership now covers all regions of Africa. Africa Rice Center is an intergovernmental association of African countries. It is also one of the 15 international agricultural research centers supported by the Consultative Group on International Agricultural Research (CGIAR).
POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS are available in the area of mechanism-based cancer prevention using plant-derived compounds and cellular and molecular mechanism of metal carcinogenesis in the laboratory of Xianglin Shi, Graduate Center for Toxicology, University of Kentucky. Send curriculum vitae to e-mail: xianglin.shi@uky.edu.

POSTDOCTORAL POSITION
 Genetic diversity and virulence in Campylobacter jejuni National Food Safety and Toxicology Center, Michigan State University
 We seek to identify outstanding candidates for a Postdoctoral position in the National Food Safety and Toxicology Building at Michigan State University (MSU). The project is focused on the role of genetic diversity in virulence of Campylobacter jejuni. The successful candidate will act as project leader and direct the activity of an M.S. level candidate in the Microbiology program at MSU. The successful candidate should be a very motivated and energetic individual with a strong record of independent research at the Ph.D. level; this person should also be capable of leading a small team of investigators, writing and editing manuscripts and grants, and contributing effectively to a positive research environment. The position is currently funded for at least two years and carries a competitive salary and a generous benefits program.

Candidates should have obtained a recent Ph.D. in microbiology, microbial genetics, or related field (required) with a working knowledge of Campylobacter genetics and physiology (preferred). Applications will be accepted until November 30, 2009, or until a suitable candidate is identified.

Qualified applicants should submit curriculum vitae, three letters of reference, and relevant reprints to: Dr. John L. Paulson, Department of Microbiology and Molecular Genetics, Food Science and Human Nutrition, 234B Trout FSHN Building, Michigan State University, East Lansing, MI 48824-1224. Telephone: 517-355-8474 ext. 126; fax: 517-353-8963; e-mail: jlp@msu.edu.

MSU is an Affirmative Action, Equal Opportunity Institution. Women and minorities are encouraged to apply.

POSTDOCTORAL Openings in Single-molecule Science and Nanobiotechnology
 Two immediate NIH-funded Postdoctoral positions in experimental single-molecule biology and biocronization are available in the group of Professor Liviu Movileanu at Syracuse University, Syracuse, New York. The candidate should be a recent Ph.D. in physics, biophysics, chemical biology, or a related field and with experience in at least one of the following areas: single-molecule biophysics, biomolecular engineering, nanofabrication, and ultrasensitive electrical measurements. The successful candidates will employ nanopore probes to detect proteins and nucleic acids by single-molecule stochastic sensing. The initial appointment is for two years with the possibility for renewal positions in the following years. These positions involve both fundamental and applied research as well as advising graduate students in a highly interdisciplinary and self-contained research team. Salary is negotiable based upon experience and research abilities. Review of materials will begin immediately and applications will be considered until the positions are filled. Qualified candidates should send their curriculum vitae, a list of publications, a short description of their qualifications, and the e-mail addresses/phone numbers of three references to Professor Liviu Movileanu: e-mail: imovilea@physics.syr.edu. Electronic application materials are preferred (please include them as an e-mail attachment).

Further information about the research pursued by Professor Movileanu’s group is available at website: http://www.physics.syr.edu/~imovilea.

POSTDOCTORAL FELLOWSHIPS
 Harvard Medical School
 Two NIH-funded Postdoctoral positions are immediately available at Harvard Medical School and Immune Disease Institute. The fellows will study the mechanisms of integrin activation in the context of lymphocyte-endothelial and cancer-stromal cell interactions. We are particularly interested in candidates with prior experience in microRNAs, signaling, and/or biochemistry. Examples of publications: Systemic leucocyte-directed siRNA delivery revealing cyclin D1 as an anti-inflammatory target. Science 319:627, 2008; The volatile anesthetic isoflurane perturbs conformational activation of integrin LFA-1 by binding to the allosteric regulatory cavity. FASEB J. 22:4109, 2008; Aberrant activation of integrin alpha4beta7 suppresses lymphocyte migration to the gut. J Clin Invest. 117:2526, 2007.

Applicants should be sent to:
Motomu Shimaoka, M.D., Ph.D. Associate Professor Immune Disease Institute Harvard Medical School E-mail: shimaoka@idi.harvard.edu Website: http://www.idi.harvard.edu/

NATIONAL INSTITUTE ON AGING
National Institutes of Health
Department of Health and Human Services
The National Institute on Aging (NIA), a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is recruiting for a POSTDOCTORAL POSITION in the Laboratory of Cellular and Molecular Biology (LCMB), DNA Repair Unit. Research in the unit focuses on DNA repair mechanisms and oxidative stress and how these processes contribute to age-related diseases.

Candidates must have training in cellular and molecular biology, biochemistry, or a related field and an interest in DNA repair and/or signal transduction. Candidates with experience in DNA repair techniques are desirable. Candidates must have a Ph.D. or M.D. degree and less than five years of postdoctoral experience.

The position is located in Baltimore, Maryland, a city with a stimulating scientific and cultural environment, with proximity to the Johns Hopkins medical campus. Salary commensurate with research experience and accomplishments (website: http://www.training.nih.gov/stipends.asp). Additional information regarding the NIA/IRP and the LCMB are available at the following websites: http://www.grc.nia.nih.gov; http://www.grc.nia.nih.gov/branches/lcmb/lcmb.htm. To apply, send curriculum vitae, a brief description of research interests, and references to: Michele K. Evans, M.D., c/o Mrs. Virginia Padilla, National Institute on Aging, National Institutes of Health, 251 Bayview Boulevard, Suite 100, Room 04C221, Baltimore, MD 21224-6825. Or fax: 410-558-8110; or e-mail: padilla@grc.nih.gov.

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

Multiple POSTDOCTORAL POSITIONS available in the Pharmacology/Toxicology Department at the University of Kansas Medical Center to study autophagy, inflammation, lipidomics, and DNA methylation in the laboratories of W.X. Ding (website: http://www.kumc.edu/pharmacology/Ding.html) and B.T. Zhu (website: http://www.kumc.edu/pharmacology/BaoZhu.html). Interested applicants with training in molecular biology, cell imaging, and animal experimentation should submit their curriculum vitae and names of three references to: jobs.kumc.edu (search for positions 100100 to apply 10084925). The University of Kansas Medical Center is proud to be an Equal Opportunity/Affirmative Action Employer.

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