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Science is here – helping scientists achieve career success.

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

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

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

To learn more, visit aaas.org/plusyou/sciencecareers
Senior Scientist for Advanced EO Imaging Sensors  
ST-0850/0855  
Washington, DC  
VA#: NW408XX-00-1201614K9924794S

Serves as the technical expert in the fields of large area focal plane arrays, advanced multi-and hyperspectral sensors, large format reconnaissance sensors, data acquisition and processing for multi-spectral sensors, real time signal processing for non-uniformity correction and image optimization, multi-spectral infrared visualization of composite imagery, and super-resolution techniques for image sequences. Conducts and leads a broad-based, multidisciplinary research program pushing the frontiers of advanced EO Imaging Sensors with particular emphasis on the development of Infrared Focal Plane Arrays (IRFPA) and their use in Navy and DoD reconnaissance, surveillance, and threat detection sensors. As a distinguished scientist and recognized leader in his/her field the incumbent will be called upon to brief DoD senior officials regarding Laboratory research efforts in the above areas, to serve as liaison between NRL, the Navy and other national and international organizations, and to consult on important scientific and programmatic issues.

Senior Scientist for Biosensors and Biomaterials  
ST-0401  
Washington, DC  
VA#: NW40401-00-1201603K9924613S

Conducts independent research and leads teams of scientist in the area of biosensors and biomaterials. Suggests, influences, and directs the research and development efforts of these teams. Advises on problem exploration and definition, plans experimental strategies, interprets data, and formulates new thrusts. Understands the state-of-the-art in biosensors research and incorporates the exploration of the most critical R&D questions into in-house research initiatives. Identifies how new biosensors and biomaterials can be used for the Navy, Department of Defense, and the Nation. Independent research is expected to focus on controlling the function of biological recognition molecules (natural or genetically engineered) on surfaces and using advanced optical techniques for signal transduction. Results of research are expected to lead to the discovery of a variety of biosensor approaches pertinent to a wide range of applications. As principal investigator for several biosensors projects, the incumbent is responsible for development of important new scientific areas and maintaining high quality scientific performance. Active technical consultant on government committees. Responsible for the scientific and technical oversight of a variety of university and industry collaborations, both formal and informal, in the US and abroad.

Applicants should be recognized as national/international authorities in the above areas of research, and should have demonstrated the scientific vision and organizational skills necessary to bring long term, multi-faceted research programs to successful completion. Salaries range from $120,749 to $181,500 per year. To apply, go to www.usajobs.gov, log in and enter the vacancy announcement number. Contact Annemarie Mycka, Annemarie.mycka@nrl.navy.mil or Ginger Kisamore, ginger.kisamore@nrl.navy.mil if additional information is needed. Emailed application material CANNOT be accepted. Vacancy announcements close on November 28, 2014.
Central University (Shanghai, China) was established in 2007, and has experimental and theoretical efforts. The Center is currently at the initial computational Biophysics, a new initiative to build an internationally acknowledged record of research accomplishments. The successful candidates will engage in experimental biophysics. Applicants should have a Ph.D. degree, a teaching interest in a single pdf file by Dec. 1, 2014 to Ms. Ling Wang, contact list, a research proposal (3-5 pages) and a statement of both undergraduate and graduate levels. The University will provide expected to develop world-class research programs and teach classes in both experimental and theoretical efforts. The Center is currently at the initial stage and invites applications for a number of faculty positions to begin in the fall of 2015 (or earlier) at the Associate or Full Professor level in experimental biophysics. Applicants should have a Ph.D. degree, preferably with postdoctoral experience in a closely related field, and a clear record of research accomplishments. The successful candidates will be expected to develop world-class research programs and teach classes at both undergraduate and graduate levels. The University will provide attractive annual salary, start-up fund, housing allowance and other benefits.

All applicants should send a cover letter, a curriculum vitae with a publication list, a research proposal (3-5 pages) and a statement of teaching interest in a single pdf file by Dec. 1, 2014 to Ms. Ling Wang, the State Key Laboratory of Precision Spectroscopy, East China Normal University, Shanghai 200062, China through e-mail to: wangling@admin.ecnu.edu.cn. Please also arrange three reference letters directly to the above e-mail address. Applications after the deadline could be reviewed until the positions are filled.

For more information, please visit http://www.lps.ecnu.edu.cn/

Fudan University has initiated a search for the Director of Fudan University Institute of Genetics (FUIG). The successful candidate will also be appointed as an endowed professor in the School of Life Sciences (SLS). The FUIG was founded by the late Professor C.C. Tan (Tan Jiazheng) in 1961 and is recognized as a leading institute of genetic studies in China and function to promote academic research and interactions in genetics and molecular biology. Since the founding of the SLS in 1986, the members of the FUIG have also been members of the SLS, which has six departments, including the Department of Genetics and Genetic Engineering. Current research areas at SLS include human genetics, molecular analysis of human diseases, animal and plant developmental genetics, microbial and population genetics, statistical and evolutionary genetics, genomics and bioinformatics. Applicants should be geneticists who are full professors or holders of equivalent positions in the general area of genetics, and have demonstrated excellence in research and training in the analysis of genetic mechanisms and/or the use of genetic methods to study one or more of the following topics: human genetics and diseases, cell and developmental biology, epigenetic regulation, protein modifications, and other molecular/cellular regulatory mechanisms. Candidates who also have excellent communication skills and administrative experiences are preferred.

In addition to continuing active research, the Director of FUIG will help to strength the FUID as a forum for promoting scientific exchange and interactions, as a platform for building collaboration and developing joint grants, and as a training base for young geneticists. The Director of FUID will be a member of a core group of faculty members who will help to shape the future development of genetics, as well as life sciences in general, at Fudan. The successful candidate will receive generous start-up funds, competitive compensation, and housing subsidy. In addition, the Director of FUID will also be a member of the State Key Laboratory of Genetic Engineering at Fudan, with state-of-art core facilities, and will have the opportunity to participate in the recently established Collaborative Innovation Center for Genetics and Development, which supports collaborations that address major questions in genetics regarding complex relationships between genomes and phenomes. Review of applicants will begin on December 1, 2014, and the position remains open until filled. For more information, please contact Ms. Xiaohua Liang (liangxh@fudan.edu.cn). Interested candidates should send a CV with educational history, work positions, research experiences and expertise, and a list of publications, a statement of further development in genetics at Fudan, and a statement of research interests.

**Southwest Jiaotong University, P.R.China Anticipates Your Working Application**

Southwest Jiaotong University (SWJTU), founded in 1996, situates itself in Chengdu, the provincial capital of Sichuan. It is a national key multidisciplinary “211” and “985” Project university directly under the jurisdiction of the Ministry of Education, featuring engineering and a comprehensive range of study programs and research disciplines covering more than 20 faculties and institutes/centers. Boasting a complete Bachelor-Master-Doctor education system with more than 2,500 members of academic staff, our school also owns 2 first-level national key disciplines, 2 supplementary first-level national key disciplines (in their establishment), 15 first-level doctoral programs, 43 first-level master programs, 75 key undergraduate programs, 10 post-doctoral stations and more than 40 key laboratories at national and provincial levels.

Our university is currently implementing the strategy of “developing and strengthening the university by introducing and cultivating talents”. Therefore, we sincerely look forward to your working application.

More information available at http://www.swjtu.edu.cn/

**Positions Available**

### A. High-level Leading Talents

It is required that candidates be listed in national top talents programs such as Program of Global Experts, Top Talents of National Special Support Program, “Chang Jiang Scholars”, China National Funds for Distinguished Young Scientists and National Award for Distinguished Teacher. Candidates are supposed to be no more than 50 years old. The limitation could be extended in the most-needed areas of disciplinary development. Candidates who work in high-level universities/institutes and reach the above requirements are supposed to be no more than 45 years old.

#### B. Young Leading Scholars

Candidates are supposed to be listed in or qualified to apply for the following programs:
- National Thousand Young Talents Program
- The Top Young Talents of National Special Support Program (Program for Supporting Top Young Talents)
- Science Foundation for the Excellent Young Scholars
- Excellent Young Academic Backbones

Candidates under 40 years old are expected to graduate from high-level universities/institutes either in China or other countries. Those who are professors, associate professors and other equal talents from high-level universities/institutes overseas could be employed as professors and associate professors as well.

#### D. Excellent Doctors and Post Doctoral Fellows

Candidates under 35 years old are supposed to be excellent academic researchers from high-level universities either in China or other countries. It is required that candidates be listed in national top talents programs such as Program of Global Experts, Top Talents of National Special Support Program, “Chang Jiang Scholars”, China National Funds for Distinguished Young Scientists and National Award for Distinguished Teacher. Candidates are supposed to be no more than 50 years old. The limitation could be extended in the most-needed areas of disciplinary development. Candidates who work in high-level universities/institutes and reach the above requirements are supposed to be no more than 45 years old.

**II. Treatments**

The candidates will be provided with competitive salaries and wellness that include settling-in allowance, subsidy of rental residence, start-up funds of scientific research, assistance in establishing scientific platform and research group as well as international-level training and promotion. As for outstanding returns, we can offer further or specific treatments that can be discussed personally.

**III. Contacts**

Email: talent@swjtu.edu.cn

Address: Human Resources Department of SWJTU, the western park of high-tech zone, Chengdu, Sichuan, P.R.China, 611736

http://www.swjtu.edu.cn/
Hiring Professors at All Ranks at South University of Science and Technology (SUSTC) Shenzhen, China

The South University of Science and Technology (SUSTC) invites applications and nominations for all ranks of tenured and tenure-track faculty members in the Division of Science, Division of Engineering and Division of Management & Finance.

SUSTC, officially established in April 2012, is a public institution funded by the municipal of Shenzhen, a special economic zone city in southern China. The University is accredited by the Ministry of Education, China and is a pioneer in higher education reform in China. Set on five hundred acres of wooded landscape in the picturesque Nanshan (South Mountain) area, the new campus offers an idyllic environment suitable for learning and scholarship. SUSTC engages in basic and problem-solving research of lasting impact to benefit society and mankind.

The Division of Science, Division of Engineering, and the Division of Management & Finance wish to hire faculty members at all ranks. Key areas include but not limited to: Neural and Cognitive Sciences, Biology and Gene Engineering, Modern Physics, Control and Modification of Materials, Nanoscience and Nanotechnology, Mathematics and Applied Mathematics, Molecular Chemistry and Catalysis, Large-Scale Computational Research, Robotics and Artificial Intelligence, Information Systems and Electronic Engineering, Modern Cities and Future Developments, Energy Sciences and Technology, Environmental Sciences, Financial Mathematics and Management Sciences. The Divisions especially encourage research that requires a multi-disciplinary approach. Experienced researchers whose interests do not fall within the above areas are invited to suggest new areas of research. Cluster hiring is possible, with senior members accompanied by junior members in a group.

The teaching language at SUSTC is English or Putonghua. The choice is made by the instructor. As we expect an international faculty, the majority of teaching materials and reference books will be in English and many classes will be conducted in English. With a very high faculty-to-student ratio, SUSTC is committed to delivering a student-centered education and encourages students to develop their innovative spirits. Students at junior and senior years are expected to participate in research in the Research Centers.

The University offers competitive salaries, fringe benefits including medical insurance, retirement and housing subsidy. Leading Professors, Chair Professors and Professors will be appointed with tenure. Associate Professors and Assistant Professors will be offered tenure-track contracts.

Please visit our website to apply: http://talent.sustc.edu.cn/en/. All applications should include a CV and a detailed list of publications with Research ID. Those interested in cluster hiring should send CVs and publication lists with Research ID as a group. Evaluations will commence immediately and appointments will be made on a continuous basis. Additional information on SUSTC is available on the University homepage http://www.sustc.edu.cn.

Qualified applicants are also encouraged to apply for the Recruitment Program of Global Expert (“Thousand Talents Program”) through SUSTC. Successful applicants will get extra research fund and living allowance from the government. Additional information is available through email inquiry or http://talent.sustc.edu.cn/.

If you have any questions, please feel free to contact us at hiring@sustc.edu.cn.
Faculty Positions Available
Position 1: Antimicrobial Resistance: Ecology, Epidemiology, and Evolution
Position 2: Antimicrobial Resistance: Surveillance and Epidemiology

These are permanent full-time faculty positions in the Paul G. Allen School for Global Animal Health (www.globalhealth.wsu.edu) at Washington State University. Rank is at the level of Assistant, Associate or full Professor; position may be tenured, tenure-track, or clinical track depending on qualifications and scholarly focus. Residency in the U.S. is not a requirement for these positions.

Position 1: Antimicrobial Resistance: Ecology, Epidemiology, and Evolution
Required Qualifications: • A doctoral degree (PhD, DrPH, DVM, MD or equivalent). • 2 years post-doctoral research experience in epidemiological modeling. • Evidence of research publication in high impact international journals.
Preferred Qualifications: • Record of modeling and testing interventions. • Collaboration with state, national, and/or international health organizations. • Record of work with and travel in low- and middle-income countries. • Successful record of teaching at the graduate and/or professional medical levels. • Success in working in multidisciplinary collaborative programs is strongly desired.

Position 2: Antimicrobial Resistance: Surveillance and Epidemiology
Required Qualifications: • Doctoral degree (PhD, DrPH, DVM, MD or equivalent). • 2 years post-doctoral research experience in epidemiological modeling. • Evidence of research publication in high impact international journals.
Preferred Qualifications: • Record of applying active surveillance approaches to resistance determinants and/or pathogens. • Collaboration with state, national, and/or international health organizations. • Record of work with and travel in low- and middle-income countries. • Successful record of teaching at the graduate and/or professional medical levels. • Success in working in multidisciplinary collaborative programs is strongly desired.

To apply for this position, please visit https://www.wsujobs.com, you are required to submit a letter of application, curriculum vitae, research statement, and the names and addresses of three references.

WSU is an Affirmative Action/Equal Opportunity Educator & Employer and supports diversity in the workplace. WSU employs only US citizens and lawfully authorized non-US citizens. WSU is committed to providing access and reasonable accommodation for individuals with disabilities.

2015 Position
Postdoctoral Fellow/Faculty in Germline Cancer Genomics

The Clinical Genetics Service in the Department of Medicine at Memorial Sloan Kettering Cancer Center has an opening for a post-doctoral fellow or laboratory track faculty level applicant. The focus of the laboratory is on use of next generation genomic tools to discover novel cancer predisposition genes/alleles (see e.g. PMID: 24013638; PMID: 23544012). Studies will be conducted using computational analysis of primary exome- or genome-level germline data in cancer-affected kindreds/cohorts using family based, linkage, population based analytical strategies. Prior bench experience in molecular biology is desirable.

A curriculum vitae should be sent to Kenneth Offit, M.D., MPH, Chief, Clinical Genetics Service, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, Box 192, New York, NY 10065; e-mail: offitk@mskcc.org.

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

Assistant, Associate, or Full Professor of Neuroscience Department of Neuroscience and Regenerative Medicine

Georgia Regents University (GRU) is accepting applications for an Assistant, Associate, or Full Professor position (tenure-track or tenured) in the Department of Neuroscience and Regenerative Medicine. Candidates should have a PhD or MD; postdoctoral experience; interests in neural development, synaptic plasticity, or disorders of the central or peripheral nervous systems; and a strong record of research accomplishments. Faculty members are expected to establish or have cutting edge research programs and participate in teaching medical and graduate students. Appointment to an endowed chair may be possible for senior, highly qualified individuals. GRU is a state supported academic medical center located in a historic city with outstanding recreational and lifestyle opportunities.

Apply online at http://www.gru.edu/jobs/university/. Reference job opening ID: 00004987. Submit a CV, statement of current/future research interests, and contact information for three references to: Dr. Darrell Brann, c/o Deenie Cerasuo (dcerasuo@gru.edu). Applications will be received until the position is filled.

GRU is an EEO/AA/Equal Access Employer.

AAAS is here – promoting universal science literacy.

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

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

To learn more, visit aaas.org/plusyou/project2061
The NIH is the center of medical and behavioral research for the Nation --- making essential medical discoveries that improve health and save lives.

Are you an exceptional candidate who can provide leadership to one of the preeminent institutes for Neuroscience research in the world?? Are you at that point in your career where you’re ready to “give back”? This position offers a unique opportunity to serve as the chief visionary for the Institute, actively engaging others to create a shared vision for the purpose and direction of the organization in its dedication to conduct, foster, and support research, and research training, on hundreds of individually identified neurological and muscle disorders, which in the aggregate afflict more than 50 million citizens. The Director, NINDS, develops Institute goals, priorities, policies, and program activities, and keeps the Director, NIH abreast of NINDS developments, accomplishments, and needs as they relate to the overall mission of the NIH. S/he is responsible for managing a high-level complex organization and demonstrates integrity and fairness, adhering in work and behavior to the highest ethical and scientific research standards. The mission of NINDS is to support research that increases understanding of life processes and lays the foundation for advances in disease diagnosis, treatment, and prevention.

We are looking for applicants with a Ph.D., M.D., or comparable doctorate degree in a health sciences field plus senior-level scientific experience and knowledge of research programs in one or more scientific areas related to the biomedical research enterprise who have a commitment to excellence and the energy, enthusiasm, and innovative thinking necessary to lead a dynamic and diverse organization. Applicants should be known and respected within their profession, both nationally and internationally, as individuals of outstanding scientific competence.

The successful candidate for this position will be appointed at a salary commensurate with his/her qualifications. Full Federal benefits will be provided including leave, health and life insurance, long-term care insurance, retirement, and savings plan (401k equivalent).

If you are ready for an exciting leadership opportunity, please see the detailed vacancy announcement at http://www.jobs.nih.gov (under Executive Jobs).

Applications must be received by 11:59p.m. ET, December 8, 2014.

NINDS, NIH, AND DHHS ARE EQUAL OPPORTUNITY EMPLOYERS.

C V Starr Fellowships in Neuroscience

The Princeton Neuroscience Institute aims to recruit several exceptional individuals for our CV Starr Fellowships in Neuroscience. These are individuals who are expecting or have recently obtained a PhD degree in neuroscience or areas relevant to neuroscience (molecular biology, psychology, computer science, engineering, physics, or mathematics). Please note that previous experience in neuroscience is not required.

The PNI focuses on interdisciplinary research in neuroscience, spanning from molecular, cellular and genetic approaches to systems and human cognitive neuroscience. PNI houses state of the art facilities for experimental research in all of these areas, as well as advanced computational resources that support theoretical and quantitative approaches to neuroscience.

The CV Starr Fellowship program provides a generous salary and a modest annual research budget. Fellows are encouraged to pursue independent research with the guidance and mentorship of one or more core faculty members in the Institute. We are particularly interested in projects that bridge the research programs of multiple laboratories. Fellows also have the opportunity to teach in our Institute programs.

For more information about the Institute, see http://www.princeton.edu/pni/.

Applications should be submitted online at https://jobs.princeton.edu/ (requisition #1400754). Candidates must submit a CV, a list of publications, a statement of research interests and goals, and the contact information for three references. Finalists will be invited to Princeton to present a talk concerning their current research. This position is subject to the University’s background check policy.

Princeton University is an Equal Opportunity Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.
**UC RIVERSIDE
COMPUTATIONAL SYSTEMS BIOLOGIST**
The Department of Botany and Plant Sciences at the University of California, Riverside seeks outstanding candidates for an open Computational Systems Biologist position at the rank of Assistant Professor. We are interested in candidates involved in research in systems biology, using computational approaches or a combination of both experimental and computational approaches. A Ph.D. in a relevant discipline is required including several years of postdoctoral research. The successful candidate will hold an academic appointment in the Department of Botany and Plant Sciences with the option of a secondary cooperating faculty appointment in a quantitative department such as statistics, computer science, engineering or related. The candidate will also join the innovative and multidisciplinary Institute for Integrative Genome Biology (IIGB) which connects theoretical and experimental researchers from different departments in Life, Physical and Mathematical Sciences, Medicine, Engineering and various campus based Centers. The IIGB is organized around a 10,000 sq. ft. suite of Instrumentation Facilities that serve as a centralized, shared-use resource for faculty, staff and students, offering advanced tools in bioinformatics, microscopy, proteomics and genomics. Its bioinformatic component is equipped with a modern high-performance compute (HPC) infrastructure. This position will include an appointment in the Agricultural Experiment Station, which includes the opportunities to conduct research and outreach relevant to the mission of the California Agricultural Experiment Station (http://cnas.ucr.edu/about/ann/).

Qualified candidates are expected to have excellent publication and research records in computational systems biology or related areas, such as bioinformatics or computational genome biology. The research program should be heavily focused on involving modern high-throughput data, especially from next generation sequencing technologies. An additional requirement is a strong commitment to teaching in computational systems biology. Review of applications will begin November 7, 2014 and continue until the position is filled. Interested individuals should: (1) submit a curriculum vitae, (2) provide a statement of research, and (3) three letters of reference. A teaching statement is strongly recommended. Please submit your applications through the AP Recruit job link: [https://aprecruit.ucr.edu/apply/JPF00230](https://aprecruit.ucr.edu/apply/JPF00230)

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

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**STANFORD UNIVERSITY
DEPARTMENT OF CHEMICAL AND SYSTEMS BIOLOGY**
The Department of Chemical and Systems Biology at Stanford University School of Medicine invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. We are particularly interested in candidates with a strong interdisciplinary record in the broad areas of chemical biology, systems biology, and/or cellular and molecular biology in normal and disease states. Stanford offers an outstanding environment for creative interdisciplinary biomedical research. The main criterion for appointment in the University Tenure Line is a major commitment to research and teaching. For more information on our department, please visit: [http://chemsysbio.stanford.edu/](http://chemsysbio.stanford.edu/)

Candidates should have a Ph.D. and/or M.D. degree and postdoctoral research experience. Applications should include a cover letter addressed to Tobias Meyer, Ph.D., Search Committee Chair; a curriculum vitae, publication list, description of future research plans, and at least 3 letters of reference. All materials should be submitted online to Academic Jobs Online at [https://academicjobsonline.org/ajo/jobs/4602](https://academicjobsonline.org/ajo/jobs/4602).

To ensure full consideration, please submit your applications by December 1, 2014. Late applications may be considered. Questions should be addressed to Kathy Johnson, F.A.A., at cbssearch@stanford.edu.

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

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**Berkeley University of California
ASSISTANT or ASSOCIATE PROFESSOR OF METABOLIC BIOLOGY**
The Department of Nutritional Sciences and Toxicology, at the University of California, Berkeley, seeks an assistant or associate professor (nine-month tenure-track, or tenured) with an expected start of July 1, 2015.

We expect the appointee to develop/have developed a vigorous, independent research program investigating metabolic biology, metabolic regulation, disorders and/or functions of nutrients, phytochemicals, and/or toxicants, related to disease. Applicants should have a bioscience Ph.D. or M.D., or equivalent degree, strong productivity and a record of excellence in experimental biology at the time of application. The appointee will have access to Ph.D. students in multiple interdepartmental programs. The appointee also will contribute to educating undergraduates studying metabolic and nutritional biology, and/or molecular toxicology. Numerous opportunities exist for interactions with colleagues at UCSF and in the Bay Area.

For more information and to apply, visit [http://apprkr.com/534076](http://apprkr.com/534076)

The closing date for this search is: December 4, 2014. The application deadline has been extended from its original date; please do not reapply if an application has already been submitted. Send questions to nstsearch@berkeley.edu. For additional information about the Department, the graduate programs and the campus visit [http://ninst.berkeley.edu](http://ninst.berkeley.edu) and [http://berkeley.edu](http://berkeley.edu).

EOE

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**Johns Hopkins Bloomberg Distinguished Professorship in Evolutionary Genomics**
The Johns Hopkins University is searching for an outstanding senior scientist in the area of Evolutionary Genomics for an endowed chair as a Bloomberg Distinguished Professor. This position will be held jointly between the Department of Biology (Krieger School of Arts and Sciences) and the Institute for Genetic Medicine (JHU School of Medicine).

Applicants should currently be at the level of senior Associate Professor or Full Professor, and should have a documented track record of accomplishment and creativity using modern Genomic, Genetic, and/or Computational approaches to study questions of Evolutionary Biology. Areas of interest include, but are not limited to: evolution of developmental regulatory mechanisms, organ systems and traits; evolution of chromosomes, genome organization and epigenetic mechanisms; microbial or viral evolution and host/parasite interactions; human origins; origins of multicellularity; the evolution of behavior; evolutionary and population genetic theory.

Candidates should submit a detailed CV along with a one-page statement of past accomplishments and a one-page statement of current and future interests to apply.interfolio.com/27067. All applications will be kept strictly confidential until later stages of the review, when we will specifically ask to be allowed to seek outside recommendations. Review of applications will begin December 1st and the search will remain open until the appropriate candidate is identified.

Applications from women and minority candidates are especially encouraged. Johns Hopkins University is an equal opportunity employer and does not discriminate on the basis of race, color, gender, religion, age, sexual orientation, national or ethnic origin, disability, marital status, veteran status, or any other occupationally irrelevant criteria. The university promotes affirmative action for minorities, women, disabled persons, and veterans.
The Louisa Gross Horwitz Prize was established under the will of the late S. Gross Horwitz through a bequest to Columbia University and is named to honor the donor’s mother. Louisa Gross Horwitz was the daughter of Dr. Samuel David Gross (1805-1889), a prominent surgeon of Philadelphia and author of the outstanding Systems of Surgery who served as President of the American Medical Association.

Each year since its inception in 1967, the Louisa Gross Horwitz Prize has been awarded by Columbia University for outstanding basic research in the fields of biology or biochemistry. The purpose of this award is to honor a scientific investigator or group of investigators whose contributions to knowledge in either of these fields are deemed worthy of special recognition.

The Prize consists of an honorarium and a citation which are awarded at a special presentation event. Unless otherwise recommended by the Prize Committee, the Prize is awarded annually. Dr. James P. Allison, University of Texas MD Anderson Cancer Center was the 2014 awardee.

QUALIFICATIONS FOR THE AWARD

The Prize Committee recognizes no geographical limitations. The Prize may be awarded to an individual or a group. When the Prize is awarded to a group, the honorarium will be divided among the recipients, but each member will receive a citation. Preference will be given to work done in the recent past.

Nominations must be submitted electronically at: http://www.cumc.columbia.edu/research/horwitz-prize

All communications and materials must be written in the English language.

Re-nomination(s) are by invitation only.

Self-nominations are not permitted.

Nominations should include:
1) A summary, no more than 500 words long, of the research on which this nomination is based.
2) A summary, no more than 500 words long, of the significance of this research in the fields of biology or biochemistry.
3) A brief biographical sketch of the nominee, including positions held and awards received by the nominee.
4) A listing of up to ten of the nominee’s most significant publications relating to the research noted under item 1.
5) A copy of the nominee’s curriculum vitae.

Deadline date: January 30, 2015

Robert S. Langer Family and Friends Professorship Dept. of Biomedical Engineering – Cornell University

Cornell is a community of scholars, known for intellectual rigor and engaged in deep and broad research, teaching tomorrow’s thought leaders to think otherwise, care for others, and create and disseminate knowledge with a public purpose.

The Department of Biomedical Engineering at Cornell University invites applications for the Robert S. Langer Family and Friends Professorship. The department seeks exceptional full professor candidates who will dramatically enhance research and teaching in the department, develop synergies with current areas of departmental strength, and embrace the department’s vision of a quantitative, multi-scale approach to applying engineering solutions to problems in human health.

Candidates are expected to currently have an internationally recognized program of research and teaching in biomedical engineering. The department has five areas of research emphasis: biomaterials and drug delivery; biomedical mechanics; nanobiotechnology: imaging and instrumentation; and cellular and tissue engineering. Exceptional candidates who add to or complement these areas will be given serious consideration. Considerable institutional resources are available for the support of the successful applicant’s research program and a competitive start-up package can be expected.

Cornell BME bridges between engineering and physical sciences and the biological and medical sciences. It values interdisciplinary projects and actively promotes interactions with Weill Cornell Medical College, College of Veterinary Medicine, and basic engineering and biological sciences. Cornell hosts numerous centers, including Physical Sciences-Oncology Center on the Microenvironment & Metastasis, Weill Institute for Cell & Molecular Biology, Nanobiotechnology Center, Cornell Nanofabrication Facility, and Cornell Center for Materials Research. Submit applications to: https://academicjobsonline.org/ajo/jobs/4890. Questions may be sent to: cornellbmesearch@cornell.edu, Larry Bonassar, Chair, Search Committee, 607-255-9381.

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university’s mission of teaching, discovery and engagement. Located in Ithaca, NY, Cornell’s far-flung global presence includes the medical college’s campuses on the Upper East Side of Manhattan and in Doha, Qatar, as well as the new CornellNYC Tech campus to be built on Roosevelt Island in the heart of New York City.

Diversity and Inclusion are a part of Cornell University’s heritage. We’re an employer and educator recognized for valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.
**Western Michigan University**

**Tenure Track Faculty Position**
**Fish Biologist**

The Department of Biological Sciences and the Environmental and Sustainability Studies Program at Western Michigan University seek applications for a jointly-appointed tenure-track position with specialization in Fish Biology at the rank of Assistant/Associate Professor beginning in Fall 2015, pending budgetary approval. A Ph.D. and relevant post-doctoral experience are required. Candidates with expertise in any area of fish ecology, evolutionary biology, ecophysiology, and ecotoxicology are encouraged to apply. The successful candidate will participate in a new interdisciplinary undergraduate Freshwater Science and Sustainability major, establish an extramurally funded research program, participate in the training of Master’s and Ph.D. students, and serve on departmental and university committees. As part of regular teaching duties (2-3 courses per year), some teaching in an online or hybrid format will be required in collaboration with the Great Lakes Water Studies Institute at Northwestern Michigan College in Traverse City, MI (https://www.nmcc.edu/resources/water-studies/). The Institute has excellent research facilities on Lake Michigan available to the candidate.

Information concerning the Biological Sciences Department’s and the Environmental and Sustainability Studies Program’s faculty and programs can be obtained at www.wmich.edu/biology/ and http://www.wmich.edu/environment, respectively. Western Michigan University is a learner centered, discovery driven university with high research activity, provides Master’s and Ph.D. degrees, and offers a unique opportunity for individuals seeking a balanced research and teaching career. Applicants should visit www.wmich.edu/hr/jobs to apply. To apply please send letter of application, curriculum vitae, statements of research interests and teaching philosophy, and have three letters of reference sent to Maarten Vonhof, Ph.D., Fish Biologist Search Committee, Department of Biological Sciences, Room 3441 Wood Hall, Western Michigan University, Kalamazoo, MI 49008-5410. Applications are due December 31, 2014, but will be considered until position is filled.

WMU is an Equal Opportunity/Affirmative Action Employer. Minorities, women, veterans, individuals with disabilities and all other qualified individuals are encouraged to apply.

**Northwestern University**

**Faculty Position in Neuroscience**
**Department of Physiology**
**Northwestern University**
**Feinberg School of Medicine**

A tenure-track position is open for full-time faculty in neuroscience, from the assistant to full professor rank. Candidates performing interdisciplinary neuroscience research, utilizing innovative techniques to investigate fundamental issues of neural function ranging from cellular/molecular to systems/behavioral levels should apply. The scientific excellence of the candidate is more important than the particular area of research. Applicants should have an outstanding record of research that adds to existing departmental strengths in sensorimotor function, learning and memory, and pain perception. Candidates seeking appointment at the associate or full professor level should have substantial research productivity and a history of grant support and academic service. Northwestern has a large neuroscience community consisting of over 150 faculty members, located not only in the Physiology department but in a variety of departments on both our Chicago and Evanston campuses, providing many opportunities for collaboration. The successful applicants will also have the opportunity to participate in graduate and medical education.

Applicants should send (as a single PDF) a cover letter, curriculum vitae, a two-page description of research accomplishments and plans, and the names and contact information for three references by email to neuroscience@northwestern.edu

Northwestern University is an Affirmative Action, Equal Opportunity Employer. Women and diversity candidates are encouraged to apply.

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**Worcester Polytechnic Institute**

**Associate or Full Professor, Biophysical Chemistry**

The Department of Chemistry and Biochemistry (CBC) at Worcester Polytechnic Institute (WPI, Worcester, MA) invites applications for a faculty position at the Associate or Full Professor level in Biophysical Chemistry beginning Fall 2015. The department offers undergraduate and graduate (MS and PhD) degrees in Chemistry and Biochemistry. CBC is integral to WPI’s ongoing major life science research initiative and seven new faculty at the assistant, associate and full professor level were recently hired.

The candidate will be a dynamic scholar and teacher, with a strong track record of creativity and an internationally highly visible research program studying the physical properties of biosensors, biomaterials or biological systems. The successful candidate will have a strong record of continued funding, high impact publications, and a solid presence in the scientific community.

Interested candidates should submit a cover letter, a curriculum vitae, statement of research and teaching interests, achievements and plans, and a list of three references. Applicants are asked to apply electronically by visiting Careers at WPI: http://apprtrkr.com/538652

Review of applications will be conducted on a rolling basis and continue until the position is filled. For additional information, please contact Dr. Arne Gericke (agericke@wpi.edu)

To enrich education through diversity, WPI is an affirmative action, equal opportunity employer.
Helmholtz Zentrum München invites applications for the position of a Research Group Leader

Host control of viral latency and reactivation

We are looking for an individual with an established, successful research program on the immune response of viral infection in the human host. The successful candidate is expected to conduct research on the cellular immune control of latent and active viral infection in humans, translating the results into novel approaches for virus-specific immunotherapy and immunodiagnostics. Topics of particular interest will be investigations on the diversity and efficiency of antiviral T cell responses, viral immunomodulatory mechanisms and their influence on T cell function and diversity, and the integration of adaptive and innate cellular responses in control of human infection. The development of a collaborative, translational research program together with local clinical institutions is strongly encouraged.

The successful candidate will be expected to strengthen the core research area of Infection and Immunity of the Helmholtz Zentrum München and the Munich branch of the German Center for Infection Research (DZIF). The position will be part of the Research Unit Gene Vectors and located at the Großhadern campus of Helmholtz Zentrum München.

The position is initially limited to December 31, 2015 and can be extended subject to financing by DZIF.

Applications should include detailed documentation in English (CV, certificates, credentials, list of publications, selected reprints and a short statement describing the impact of the candidate’s research profile and research strategy, and current third-party funding). Applications should be submitted by November 14, 2014 to: Prof. Dr. Wolfgang Hammerschmidt, E-mail: hammerschmidt@helmholtz-muenchen.de, Helmholtz Zentrum München Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH), Department of gene vectors, Marchioninistr. 25, D-81377 München Großhadern.

Boston University

Junior & Senior Faculty Positions in Biomedical Engineering

The Boston University Department of Biomedical Engineering (BU BME) invites applications for a senior faculty position and a tenure-track junior faculty position in the areas of Synthetic Biology, Cellular Engineering and/or Neuroengineering. BU BME is one of the nation’s top-ranked departments, attracting exceptional graduate and undergraduate students. We have strengths in numerous research areas, boast a wealth of research resources and facilities, with strong ties to the BU School of Medicine, as well as other top medical research centers in the Boston area. As a Coulter Translational Partnership school, faculty can translate research advances into new applications that impact society.

The senior position will hold a tenured appointment in BME, must hold a PhD in an appropriate area, must have a strong history of external funding and be internationally recognized for distinguished contributions related to synthetic biology and/or cellular engineering. The successful candidate will be expected to maintain a robust, extramurally funded research program building on existing strengths in synthetic biology and cellular engineering. The junior position will hold a tenure-track appointment in BME, must hold a PhD in an appropriate area, have postdoctoral experience and show potential for leading an independent and vibrant research program. BU also places high value on quality teaching.

For more information, please visit: www.bu.edu/eng; www.bu.edu/bme

Applicants should submit a brief letter of interest, statement of accomplishments and plans, a current CV and contact information of three references to:

Senior: https://academicjobsonline.org/ajo/jobs/4644
Junior: https://academicjobsonline.org/ajo/jobs/4645

Boston University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.
FACULTY POSITIONS
UC San Diego Department of Bioengineering

The Department of Bioengineering in the Jacobs School of Engineering at the University of California, San Diego (UCSD) is inviting applications for one or more positions at the ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, or FULL PROFESSOR levels (tenure-track or tenured faculty positions).

A Ph.D. or advancement to candidacy in bioengineering or related engineering disciplines is required for these positions. Successful applicants will be expected to teach undergraduate courses in UCSD’s Bioengineering, Biotech, and/or BioSystems Engineering Major tracks and graduate courses in Bioengineering and establish a vigorous program of high-quality federally funded bioengineering research.

To obtain more information or submit your application materials, go to website: https://apol-recruit.ucsd.edu/apply and apply to position number 10-852.

STAFF ASSOCIATE
Columbia University

Position is immediately available for a full-time Senior Staff Associate in the Department of Anesthesiology, College of Physicians and Surgeons of Columbia University. Our research focuses on the effect of carbon monoxide and other environmental agents on the developing mouse brain. The candidate will be expected to have proficiency with breeding mice and caring for rodent colonies, and experience working with live animals in a wet laboratory environment. The position requires working with newborn mouse pups, exposing them to a range of different gases in a controlled setting. Experience with brain perfusion and tissue collection, mitochondrial isolation, enzyme activity assays, immunohistochemistry, western blotting, light and fluorescence microscopy is desired.

Bachelor’s degree in chemistry, biology, or physics is required or equivalent in education, training, and experience. An advanced degree, such as a Master’s, is also desired. A minimum of eight years of related experience is required. Knowledge of various related laboratory procedures and techniques is preferred.

Ability to work with minimal supervision is expected. Applicants must be able to develop and learn new techniques as required for these studies. Qualified applicants will also be expected to coordinate day-to-day laboratory operations and supervise and teach other laboratory personnel such as technicians, fellows, residents, and students on an as-needed basis.

Please visit our online application site at website: https://academicjobs.columbia.edu/applicants/ CentralQuickFind=60043 to submit your application and for further information about this position.

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