ECOLOGIST

The Department of Biological Sciences (website: http://biology.uark.edu) at the University of Arkansas solicits applications for a tenure-track ASSISTANT PROFESSOR working in community, ecosystem, or landscape ecology (Position Y12953). The successful candidate will have a Ph.D., postdoctoral experience preferred, and will be expected to establish an extramurally supported research program, supervise graduate and undergraduate research, and teach undergraduate general ecology, and advanced offerings. Review of completed applications will begin January 10, 2012, and will continue until the position is filled. Applications must include curriculum vitae, statement of current and future research plans, teaching philosophy/interests, and three letters of recommendation sent independently. Electronically send applications in PDF form to: Dr. Steven J. Beaupré (e-mail: ecology@uark.edu), or hardcopy to: Department of Biological Sciences, 601 SCEN, 1 University of Arkansas, Fayetteville, AR 72701. The University of Arkansas is an Equal Opportunity/Affirmative Action Employer. Applicants must have proof of legal authority to work in the United States at the time of hire. All applicants are subject to public disclosure under the Arkansas Freedom of Information Act.

HOKE S. AND STELLA GREENE CHAIR in Catalysis (Associate/Full Professor) University of Cincinnati

The Department of Chemistry at the University of Cincinnati invites applications for the Hoke S. and Stella Greene Chair in Catalysis. This advanced level position (appointment preferably at the Associate Professor rank) includes an endowed chair and competitive startup funds. The ideal candidate will have a Ph.D. in Chemistry or closely related field and an established and funded research program based on innovative approaches in catalysis to address problems in chemical or life sciences. MD’s with a Ph.D. in Chemistry or closely related field and a research emphasis in catalysis at the interface between chemistry and biomedical applications are also encouraged to apply. The candidate is expected to maintain a vigorous externally funded research program, increase their research visibility and recognition at the national and international levels, and be committed to enthusiastic and effective teaching at the undergraduate and graduate levels to a diverse student body. The University of Cincinnati is a rapidly growing Research-Extensive University located in an outstanding environment, with facilities and infrastructure to support cutting-edge research as well as productive collaborative interactions at the interface of chemistry, materials, and medicine.

Applications must be submitted online at website: http://www.jobsatsuc.com and reference the job posting #211UC1050. Applications will be accepted until the position is filled, with review of files beginning January 1, 2012. Applicants must attach the following to their online application: a cover letter, a detailed four- to five-page statement of the proposed research program, a statement of teaching plans, curriculum vitae, and contact information for three references. In addition, applicants should arrange to have three letters of recommendation sent directly to the Department of Chemistry, electronically to e-mail: kim.carey@uc.edu (preferred) or by paper mail. The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer. Women, people of color, people with disabilities and veterans are encouraged to apply.

SENIOR SUPPORT SCIENTIST, experience required to work in Greenbelt, Maryland. Apply online to SAIC, website: http://www.saic.com/career/. Must reference job code 214253.

FACULTY POSITION Jacobs School of Engineering University of California, San Diego

The Jacobs School of Engineering at University of California, San Diego (UCSD) invites applications from faculty candidates (ASSISTANT PROFESSOR preferred, all levels considered) in Quantitative and Systems Biology website: http://academicfair.ucsd.edu/apps/adeo/recruitment/jobdetails.asp?PositionNumber=10-348. UCSD is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to excellence through diversity.

TENURE-TRACK ASSISTANT PROFESSOR Computational Biology or Bioinformatics Department of Computer Science University of Massachusetts Amherst

We invite applications from Ph.D.-level computer scientists for a Five College joint faculty position based at the University of Massachusetts Amherst (UMass-Amherst) with research, teaching and service shared with Mount Holyoke College, providing the successful candidate with the unique opportunities of both a premier research university and an elite liberal arts college. For details on the Five College Consortium website: https://www.fivecolleges.edu. Focus areas could include proteomics, metabolomics, genomics, systems biology, statistical genetics, evolutionary biology, medical informatics, or other areas at the intersection of computer science, biology, and biotechnology. The successful candidates will enjoy exciting opportunities for collaboration in research areas such as protein folding, genome sequence annotation, imaging, machine learning, and cellular biophysics. Teaching and postdoctoral experience preferred. UMass-Amherst and Mount Holyoke College are strongly committed to having a diverse faculty and student body. For more information website: http://www.cs.umass.edu/bioinfosc. Send curriculum vitae, a description of research plans and teaching experience, and three letters of recommendation to: Chair, Bioinformatics Search Committee, Computer Science Department, 140 Governors Drive, UMass Amherst, Amherst, MA 01003-9264; electronic submissions encouraged e-mail: bioinfosearch@cs.umass.edu. Review of applications will begin December 15, 2011, and continue until the position is filled.

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.

YALE UNIVERSITY

Chemical Biology Institute

The Chemical Biology Institute, a cornerstone of Yale’s new West Campus research enterprise, invites applications for faculty positions at the senior rank to commence 1 July 2012. Faculty associated with this Institute will hold primary appointments in any of several life science or physical science departments within the faculty of Arts and Sciences, the School of Engineering and Applied Science, or the Yale School of Medicine. We seek creative teacher-scholars with an international reputation for outstanding research in the broadly defined areas of biosynthesis, proteomics, and/or synthetic biology. The Search Committee is particularly interested in individuals whose research programs take full advantage of the unique interdisciplinary environment that defines the Yale West Campus. Applicants should create a profile at website: https://academicjobsonline.org/ajo/jobs/1314 and upload a statement of research plans, curriculum vitae, and up to five reprints of published work(s). For further information, contact Kelly Locke at e-mail: westcampus.administration@yale.edu or at: P.O. Box 27390, West Haven, CT 06516-7390. The review of applications will begin on 1 January 2012. Yale University is an Affirmative Action/Equal Opportunity Employer. Yale values diversity among its faculty, students, and staff and strongly encourages applications from women and underrepresented minorities.
BIG Science in a BIG Country

China is a land of scientific opportunity, with energetic young researchers and a government that is delivering on its commitment to research and development funding. Chinese students and scientists with international experience are beginning to feel that the best job opportunities are at home. The research environment is in flux, however, as booming numbers of new Ph.D.s seek training and jobs, and discussions about funding and evaluation raise questions about the quality of Chinese research. In a large country with many voices, the government, the academic community, and grassroots groups all have ideas and advice for young scientists.

By Chris Tachibana

Wang Jun is a science rock star. At age 35, he has 100 peer-reviewed papers, with greatest hits that include the panda and pig genome sequences. Even before his 2002 Peking University Ph.D. thesis won a national award from the Ministry of Education, he helped found BGI, a nonprofit genomics services and research organization with more than 3,000 employees, where he is now executive director. Wang is officially a professor at two Danish universities, but his home base is BGI headquarters in Shenzhen, near Hong Kong, where he pursues “creative, collaborative, big science.”

In Beijing, another rising star is setting up her laboratory in the brand-new Medical Science Building at Tsinghua University, which is considered to be one of China’s top academic institutions. Shen Xiaohua turned down an attractive tenure-track faculty position at the University of Michigan, accepting instead an offer from Shi Yigong, who left Princeton University in 2008 to become dean of life sciences at Tsinghua University. Shen said when she was looking for faculty positions she compared the research programs of her peers in China and the United States. “In the long run, I felt I could do better in China,” she says. “I don’t feel limited by funding, manpower, or brainpower.” Shen has a Ph.D. from the University of Michigan and postdoctoral experience at the Dana-Farber Cancer Institute and Harvard Medical School, but does not see her top undergraduate students following in her footsteps. Some who had planned to study in the United States are now deciding to stay and train with China’s top scientists at Tsinghua. “Especially for stem cell research,” she says, “the students think they can do more in China because of restrictions in the U.S. And people are coming back,” she adds. One of her technicians has a Master’s degree from the United States and years of project management experience, but returned to China to join the Shen lab.

OPTIMISM AND CRITICISM

One attraction for returning Chinese scientists like Wang and Shen is the relatively promising financial outlook. After the United States, China has the second largest economy in the world, and the second highest investment in research and development. Science and technology spending has increased every year, even through the recent global economic crisis. In 2006, the government announced a 15-year science and technology development program, with plans to invest 2 percent of gross domestic product in research by 2010 and continued »
Faculty Positions at the University of Science and Technology of China (USTC)

USTC, founded in 1958, is one of the most prestigious universities in China and the only university supported by both the Chinese Academy of Sciences (CAS) and the Chinese Ministry of Education (MOE). USTC offers a broad spectrum of internationally competitive programs in science and engineering, management and humanities. The university was ranked second in Mainland China and 49th in the world in the 2010-2011 Times Higher Education (THE) World University Rankings. Many USTC alumni have become world-renowned scientists and entrepreneurs.

Academic Disciplines:
USTC has a broad range of academic disciplines, covering natural sciences, engineering, management and some newly emerging inter-disciplines. All disciplines are open to applicants.

The university especially encourages research that requires a multi-disciplinary and non-traditional approach. Successful applicants are expected to lead or establish new research directions at USTC, such as next-generation automotive engineering and nuclear engineering.

Positions:
USTC invites applications and nominations from outstanding scholars of all nationalities for faculty positions at all ranks with full-time or part-time arrangements. Full-time positions include full professor/associate professor, assistant professor, and post-doctoral researcher. Candidates with remarkable strong academic backgrounds are encouraged to apply for professorship of the national recruitment program. Part-time positions are available for world-class scholars who will spend their sabbatical time undertaking research at USTC.

Qualifications:
Applicants should have a doctoral degree in a relevant research field with outstanding communication skills and a proven record of research excellence. Candidates are expected to develop their own research programs with initial internal and eventually mostly external funds.

Responsibilities:
Responsibilities include teaching undergraduate and graduate courses, developing and sustaining externally funded research programs, graduate student supervision, and professional/institutional services.

Salary, Benefits and Start-up Package:
The USTC is proud of its highly collegial, interactive, and supportive environment for researchers. Besides that, it offers competitive salary, benefits and start-up package among all in the "985 Project" universities of China. The benefits include spacious housing, medical insurance, pensions, etc. Professors of the specially listed programs may receive supplementary remuneration, as well as assistance in the establishment of a dedicated research team. The start-up package includes adequate start-up funds, newly renovated office, ample laboratory space, and plenty of research assistants.

Contact Us:
Qualified applicants are invited to apply online at http://employment.ustc.edu.cn/en/ or send a job intention letter and a curriculum vitae to job@ustc.edu.cn.

Talents Recruitment & Services Office, University of Science and Technology of China
98 Jinhua Road, Hefei, P.R. China
Zip Code: 230026
Persons to Contact: CHEN Xiaoling, ZHANG Zhuhai
Telephone: 0551-3602548, 3602550

Relevant Links:
University of Science and Technology of China: http://an.ustc.edu.cn/
Talents Recruitment & Services Office, USTC: http://employment.ustc.edu.cn/
Institute of Molecular Medicine, Peking University

The Institute of Molecular Medicine (IMM) is an autonomous research and educational institute at Peking University (PKU), focusing on basic and translational study of cardiovascular and metabolic diseases. Inaugurated in 2005, IMM has now blossomed into an international and leading research institute in cardiovascular science, demonstrated by its excellent track record of scientific discoveries, public service, and training of future leaders in biomedicine and biotechnology.

Located by Wei-Ming Lake and Bo-Ya Tower, IMM houses eleven interdisciplinary laboratories and several comprehensive core technology facilities including a world-class nonhuman primate platform. With strong support from the Chinese National 985 Program, IMM laboratories receive generous institutional funding for personnel, laboratory consumables and equipment, and competitive employment benefits. Moreover, through the newly-established joint program with the National Center for Cardiovascular Diseases (FuWai Hospital), participating IMM laboratories are entitled to additional financial support and have access to abundant clinical resources.

IMM always values challenging and longer-term research initiatives, deep collaboration, and innovation through integration. After six years’ development, we are now ready for a significant expansion. Applications are cordially invited for positions at the Principal Investigator (PI), Co-Principal Investigator (Co-PI) and Postdoc levels.

**PI positions:** We are recruiting up to 10 outstanding scientists seeking to establish independent research programs in areas including, but not limited to, cardiovascular stem cell biology and regenerative medicine, cardiometabolic proteomics and genomics, mitochondrial biomedicine, GPCR signaling, and RNA therapeutics. Competitive candidates are especially encouraged to apply for the national “Thousand Talents Program (type A, full-time)” and the national “Thousand Young Talents Program”. Successful applicants who participate in the aforementioned IMM-FuWai joint program will have the choice of primary appointment in either institute. Applicants with demonstrated academic excellence and leadership in their respective fields should submit a CV, a statement of research interests (past and future), and the contact details of three academic referees in PDF format by email to imm_recruit@pku.edu.cn.

**Non-independent Co-PI positions:** We are looking for young and promising scientists (M.D. or Ph.D.) who will take up co-PI positions in the Laboratories of Nucleic Acid Technology (Dr. Zicai Liang), Cellular Biophysics (Dr. Zhuan Zhou), Calcium Signaling and Mitochondrial Biomedicine (Dr. Heping Cheng), Human Population Genetics (Dr. Xiaoli Tian), Molecular Pharmacology (Dr. Yuchun Gu), and Cell Secretion and Metabolism (Dr. Liangyi Chen). Successful applicants are expected to team up with their respective PIs to run scientific programs, mentor graduate students, and supervise technicians in the laboratory. The applicants should submit a CV, a statement of research interests, and the contact details of three academic referees by email to imm_recruit@pku.edu.cn and state the name of the intended laboratory in the cover letter.

**Postdoc positions:** Please directly contact the PIs of the laboratories in which you are interested. Competitive candidates may apply for additional support from the postdoctoral fellowships established by the Peking University-Tsinghua University Joint Center for Life Sciences.

You can learn more about IMM, individual laboratories, and this recruitment at www.imm.pku.edu.cn and www.imm.pku.edu.cn/recruit_2012. The deadline for application is July 15th, 2012, or until filled.
Faculty Positions at South University of Science and Technology of China (SUSTC)

SUSTC is a public institution funded by the municipality of Shenzhen, a special economic zone city in southern China. The University receives full financial support from the municipality. Set on five hundred acres of wooded landscape in the picturesque Nanshan (South Mountain) area, SUSTC offers an idyllic environment suitable for learning and scholarship. SUSTC promotes academic freedom, engages in basic and problem-solving research of lasting impact to benefit society and mankind, and strives to become one of the best research universities in the world.

Academic Disciplines:
SUSTC has a broad range of disciplines, covering natural sciences, engineering and management. The university especially encourages research that requires a multidisciplinary approach. Successful applicants are expected to lead or establish new research directions at SUSTC.

Positions:
SUSTC invites applications and nominations for faculty positions at all ranks. Full-time positions include leading professor, chair professor, professor, associate professor and assistant professor.

Qualifications&Responsibilities:
Applicants should have a doctoral degree in a relevant research area with good communication skills and a proven record of research excellence.
Responsibilities include teaching undergraduate and graduate courses, developing research programs, graduate student supervision, and professional/institutional services.

Recruiting Positions at:
- **Leading Professor**
  Applicants should have a Ph.D. degree with extensive research and teaching experience. Applicants should be internationally recognized as holding a leading position in important areas of research.
- **Chair Professor**
  Applicants should have a Ph.D. degree with extensive research and teaching experience. Applicants should possess a large number of internationally recognized research accomplishments.
- **Professor**
  Applicants should have a Ph.D. degree with extensive research and teaching experience. Applicants should have made a number of important contributions in research.
- **Associate Professor**
  Applicants should have a Ph.D. degree. Applicants should have made a few important contributions in research.
- **Assistant Professor**
  Applicants should have a Ph.D. degree. Applicants should possess evidence that demonstrates the ability in performing high quality research.

Salaries and Benefits:
The University offers competitive salaries and start-up packages. Benefits include housing, medical insurance, pension, etc.

Contact Us:
Qualified applicants are invited to send a job intention letter and a curriculum vitae to:
hiring@sustc.edu.cn,
Human Resources Department,
South University of Science and Technology of China
No.1088, Xueyuan Blvd, Xili, Nanshan, Shenzhen, China Zip Code: 518055

Relevant Links:
-South University of Science and Technology of China: http://www.sustc.edu.cn/
2.5 percent by 2020. (It was 0.7 percent in 1998.) Cong Cao, associate professor, School of Contemporary Chinese Studies at the University of Nottingham, says that China is slightly behind on the 2010 benchmark, but on track to meet the 2020 goal.

China is transitioning from a labor-based economy to a high-technology and innovation-based economy, and this contributes to a positive scientific environment, says Professor Paul Kwong Hang Tam, pro-vice chancellor and vice president of research, University of Hong Kong. Science and technology are national strategies in the government’s recent five-year plan, so Tam says “the overall picture is optimistic for young people who are well trained, motivated, and want a career in science in China.”

In fact, in 2011, the Chinese government launched the Young Thousand Talents program, attracting scientists under the age of 40 to China with a high salary and up to $450,000 in research funding over three years. Both Chinese citizens and non-Chinese are eligible, as long as they have a Ph.D. in natural sciences or engineering from an internationally recognized university, at least three years of research experience, and are willing to work full-time at a Chinese university or research institute. The program extends the Thousand Talents program, which in 2008 began recruiting established scientists under the age of 55 with a $150,000 signing bonus and generous salaries and startup packages—this is what brought Shi to Tsinghua University.

Along with the impressive plans and big numbers, however, are concerns expressed by the international and Chinese scientific communities about the funding, evaluation, and training of Chinese researchers. Three major challenges facing young Chinese scientists are a funding system that tends to value connections more than innovation and ideas; a push to generate Ph.D.s and publications that could compromise quality and hurt the reputation of Chinese science; and a desire for training and international experience that does not match opportunities.

In a controversial 2010 editorial in Science, Shi and his colleague Rao Yi called for changes in the Chinese research funding system. They said that an investigator’s connections with the right bureaucrats matter more than project merit, especially for million-dollar-plus megaprojects. They feel this results in wasteful spending and stifles innovation.

And they are not the only voices. Sciencenet.cn bloggers like Cao have long called for systemic science policy reforms. The Chinese government itself is concerned about getting a good return on the country’s research investment as well as being able to assure taxpayers that science and technology dollars have been well spent. These pressures might result in reform, for scientists who have patience. In the spring of 2011, both Premier Wen Jiabao and Minister of Science and Technology Wan Gang stated a need for policy changes to make science spending more efficient, including making the competition for grants more open and transparent.

QUANTITY AND QUALITY

Another issue raised by analysts within and outside of China is the rapid growth in all levels of higher education, from Bachelor’s degrees to Ph.D.s, prompted by the 15-year plan. China is not the only country that has increased the number of Ph.D.s granted, but Cao says that especially in China, “expansion has affected quality.” The top schools have excellent advising, he says, but at second-tier schools, the Ph.D. mentors may not always be qualified to supervise students, and only 20 to 30 percent have a Ph.D. themselves. Also, although Chinese students get a rigorous undergraduate education and most have a Master’s degree before starting a Ph.D., Cao feels that the three-year Ph.D. program is too brief for sufficient training.

To raise the quality of advising, graduate programs are beginning to introduce committee-based supervision. Another measure might be to bring in outside examiners from well-regarded universities. In general, however, new Chinese Ph.D. graduates might need more postdoctoral advising than U.S. graduates. “Some are ready to be independent investigators, but many are not,” says Chen Deliang, associate professor at the Graduate University, Chinese Academy of Sciences (CAS) in Beijing, and a former postdoc at the University of California, Irvine. From his office, Chen has a bird’s-eye view of both Chinese
Ningbo University invites you to apply for faculty positions

About Ningbo University

Founded in 1986 by Sir Yue-Kong Pao, Ningbo University (NBU) is a young and dynamic university located in the beautiful city of Ningbo by East China Sea, with five campuses covering 160 hectares of land. As a leading comprehensive university in Zhejiang Province, NBU offers programs in economics, law, education, liberal arts, history, science, engineering, agriculture, medicine, and management. The university now receives public funding, as well as continuous support and generous donations from many overseas Chinese and their families including Sir Yue-Kong Pao, Sir Run-Run Shaw, Chao An Chung, Hans Tang, Yue-shu Pao, Cao Guangbiao, Li Dashan, Zhu Xiushan, etc.

Academic Excellence

NBU consists of 19 schools and offers 71 undergraduate programs, 156 master programs, and 7 Ph.D. programs. It enrols 29,520 students including 25,574 full-time undergraduates and 3,951 graduate students. Currently NBU has 1,330 full-time faculty members and 1,070 administrative staff members. Among them there are 4 academicians, 255 full professors, and 720 associate professors.

Research Achievements

With 77 research institutes and key laboratories, NBU is the center of varieties of research and teaching activities. The research and development initiatives of the university, especially in marine science, information science and technology, engineering mechanics, and material science have contributed greatly to the economic development of the region and have been recognized by numerous national awards. The university library has a CNKI Network Administrative Service Center, and a collection of approximately 3,400,000 books and digital resources.

International Programs

NBU maintains close links to 47 well-known institutions of higher education in Canada, Germany, France, Great Britain, USA, Sweden, Japan, South Korea and Australia. For example, the Sino-Canada joint-educational program is welcomed by international students with 100% satisfaction.

QUALIFICATIONS

Candidates should at least have (a) a Ph.D. degree in a related discipline, (b) adequate teaching ability and a strong passion for teaching, (c) an outstanding research background and influential publication record in recent three years, and (d) an ability to conduct high-quality research and attract external funding.

REMUNERATION & CONDITIONS OF SERVICE

Salary offered will be commensurate with qualifications and experience. Remuneration package will be highly competitive. For applicants with titles of professor or associate professor, salary and housing compensation can be negotiated on the individual basis. For newly graduate PhD and Postdoctoral, initial appointment will be made on a fixed-term contract, with a housing compensation of 600,000 RMB upon fulfillment of the contract requirements. Re-engagement thereafter is subject to mutual agreement.

APPLICATION

Please submit completed application form, CV and cover letter via email to rsc@nbu.edu.cn; by fax at +86 574 8760 0288; or by mail to 31# postbox, Ningbo University, 818 Fenghua Road, Ningbo, China. Application forms can be downloaded from http://www.nbu.edu.cn/shizhi Recruitment stays open until positions are filled unless otherwise specified. Please visit http://rsc.nbu.edu.cn for more details.

INFORMATION ON POSITIONS

SCHOOL OF MARINE SCIENCE

- Professor/Associate Professor
- Marine Biotechnology/ Marine Sciences/Medical Chemistry/Ocean Engineering/ Marine planning and remote sensing/ Sea port and environmental ecology/Marine Geographic Information Science

SCHOOL OF INFORMATION SCIENCE AND ENGINEERING

- Professor/Associate Professor

SCHOOL OF SCIENCE

- Professor/Associate Professor/Assistant Professor
- Condensed Matter Physics/Microelectronics/Optoelectronics/Solar Cell Department of Mathematics/Computational Mathematics/Probability and Statistics/ Financial Mathematics

SCHOOL OF MECHANICAL ENGINEERING AND MECHANICS

- Professor/Associate Professor
- Fluid Mechanics/Vehicle Engineering/Mechanical Engineering/Industial Design

INTERNATIONAL SCHOOL

- Professor/Assistant Professor
- Accounting

SCHOOL OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING

- Assistant/Associate/Full Professors
- Polymer Science/Chemical Engineering/Materials Science

SCHOOL OF LAW

- Professor/Associate Professor/Assistant Professor
- Criminal Law/Domestic Procedure Law/Civil Procedure Law/Electric Commerce Law

SCHOOL OF TEACHER EDUCATION

- Professor/Associate Professor/Assistant Professor
- Curriculum and Teaching Methodology/Higher Education/Preschool Education/Educational Economy and Management/Cognitive Psychology/Educational Psychology/Clinical Psychology/School Psychology/Experimental Psychology/Personality Psychology/Social Psychology/McCann
- Psychology/Computer Graphics and Digital Image Processing/Electronic Music, Game Development/3D Animation and Game Development

SCHOOL OF MARITIME TRANSPORTATION

- Professor/Associate Professor/Assistant Professor
- Department of Logistics and Transportation/Department of Maritime Technology/Department of Marine Engineering/Department of Naval Architecture and Ocean Engineering

SCHOOL OF SPORT SCIENCE

- Assistant Professor
- Sport Management/Sport Sociology/Human Movement/Sport Training/Sport Physiology

MEDICAL SCHOOL

- Professor/Associate Professor
- Molecular Biology/Diabetes/Neurobiology/Pathology / Pathogenic Microbiology/Epidemiology

SCHOOL OF ARTS

- Professor/Associate Professor/Assistant Professor
- Performance of all areas, Musicology (Renaissance and Baroque), music composition
- Art design of all areas, digital arts, film art, art history, art media industry, art music therapy

SCHOOL OF ARCHITECTURE, CIVIL ENGINEERING

- Professor/Associate Professor/Assistant Professor/Architecture Design/Urban Design/Urban Planning/Architectural Technology/Human Geography/Physical Geography/Cartography and Geographic Information System/Environmental Technology/Applied Environmental Microbiology
Those working abroad might still face difficulties, though, either in their new country, or when they come home. Qin Hao did Ph.D. work with BGI’s Wang, which brought her to Denmark in 2005. She has been a postdoctoral fellow at the University of Copenhagen since 2010, but still feels she needs more international experience before seeking a job. “It’s not easy to find a really good job in China after only one postdoc. I need more experience and recommendations to get funding.” Hao is in a bit of a bind, though. She worries that she needs connections to get grants in China, but has a hard time getting funded in Denmark as a foreigner.

Finally, Chinese researchers at home or away face global concerns about their science that are rooted in the country’s evaluation system. As discussed in articles from the Lancet to the New York Times, promotions and pay rely heavily on the number of publications a researcher has and the impact factors of the journals. China now publishes more papers in international journals than any country except the United States, but this has led to questions about the quantity versus the quality of Chinese publications. Examples of misconduct and plagiarism driven by the push to publish have influenced how the worldwide community views Chinese science. Anecdotes of manuscripts with Chinese author names being automatically subjected to extra review for language or content are not uncommon. “It’s a big problem,” says Cao. “Because of a few cases, people wonder what kind of science is happening in China.”

BOTTOM-UP AND TOP-DOWN SOLUTIONS
China is responding to these challenges to its young scientists. As expected for a country that is big in geography, population, and ideas, the solutions come from many sectors. One organization dedicated to improving, promoting, and popularizing science throughout China is the China Association for Science and Technology (CAST). Founded in 1958, its more than four million members belong to academic and professional societies that are part of CAST. One goal is meeting the needs of Chinese scientists who seek experience, guidance, and networking. “CAST surveys show that scientists in remote regions say it is hard to get opportunities to go to training courses or international meetings;” says Donghong Cheng, executive secretary and vice-president, “so CAST encourages community education by our member societies to meet local needs from the bottom up. We facilitate and support training courses by local scholarly societies for new graduates.” China is a big country, she says, so another important function of CAST is fostering interactions between scientists at large, nationally known universities, and researchers working at smaller local institutions.

Cheng feels the solution to the boom in Ph.D.-level scientists is not to limit the degrees granted, but to improve education and training. “The Chinese culture has a high respect for education, continued »
Faculty Positions at Sun Yat-sen University (SYSU)

About Sun Yat-sen University Health Sciences

Sun Yat-sen University (SYSU), a major center for culture and academic excellence in South China, originally known as Guangdong University, was founded in 1924 by Dr. Sun Yat-sen, the founding father of modern China, and an even longer history of her medical education and health sciences was started 145 years ago. The university is located in Guangzhou, a city neighboring Hong Kong and Macao and standing at the forefront of China’s reform and opening up. Being one of the leading universities in China, SYSU is a comprehensive multi-disciplinary university, including the humanities, social sciences, natural sciences, technical sciences, medical sciences, pharmacology, and management sciences. At present, SYSU covers a total area of 6.17 square kilometers and has 4 campuses: Guangzhou South Campus, Guangzhou North Campus, Guangzhou East Campus and Zhuhai Campus.

Sun Yat-sen University Health Sciences Schools are a fleet of well structured, multi-disciplined comprehensive medical education institutions.

- Academic Excellence

SYSU has five health science schools, including Zhongshan School of Medicine, School of Public Health, Guanghua School of Stomatology, School of Pharmaceutical Sciences, and School of Nursing, and eight affiliated hospitals, offering nearly 9000 ward beds and receiving 170,000 inpatient surgeries yearly plus 12 million annual outpatient services. Nine designated State Key Disciplines, two State Key Laboratories and many other quality research facilities accommodate a large number of academic programs of excellence in basic biomedical sciences, clinical and translational research, public health and drug discovery, publishing over 1000 research articles in internationally peer reviewed biomedical and medical journals.

Other disciplines and programs at SYSU, such as biological sciences, chemistry, material science and nanotechnology, biomedical engineering, etc., offer unlimited opportunities for interdisciplinary collaborations.

- Qualification

Applicants shall have a PhD and M.D. or equivalent degree in the relevant disciplines. A highly motivated candidate is sought with an outstanding experimental background, a strong academic and publication record, and the ability to work independently to manage a lab or research group. The clinical position in the hospital will also require competency in relevant clinical specialties and proven ability in pursuing quality research.

- Salary and Benefits

SYSU recruits talented scholars and is pleased to provide them with excellent working and academic environment. A successful candidate will be provided with a competitive salary and other benefits. Some of the positions will offer additional excellent start-up package. It will be negotiated on an individual base and will be commensurate with applicants’ academic strength and research experience.

Salary and Benefits

Applicants shall have a PhD and M.D. or equivalent degree in the relevant disciplines. A highly motivated candidate is sought with an outstanding experimental background, a strong academic and publication record, and the ability to work independently to manage a lab or research group. The clinical position in the hospital will also require competency in relevant clinical specialties and proven ability in pursuing quality research.

- Information and position

School of Pharmaceutical Sciences

Principle Investigator/Professor/Associate Professor/Assistant Professor
Pharmacognosy Science/ Natural Pharmaceutical Chemistry/ Pharmaceutical Chemistry and Molecule Design/Pharmacy and Pharmaceutical Engineer/ Microbiology and Molecular Biology/ Chinese Traditional Medicine and Marine Medicine/ Pharmaceutical Analysis and Quality Evaluation/Pharmacology and Toxicology/Drug Metabolizing and Pharmacokinetics/ Microbe and Biochemical Pharmacy/Other related fields

School of Public Health

Professor/Associate Professor/Assistant Professor
Health Policy and Health Management for Floating Population/ Monitoring and Evaluating Infectious Disease/ Bioinformatics and Health Statistics/ The Environment and Health/ Other related Fields

SunYat-sen Center for Migrant Health Policy

Professor/ Associate Professor/Assistant Professor
Public health/Epidemiology/Health Economy/Social Medicine/ Public Policy/ Other Related Fields

Sun Yat-sen University Cancer Center

Professor/ Associate Professor
Medical Oncology/Radiation Oncology/Anesthesia, ICU/Surgery: Head and Neck, Thoracic, Hepatobiliary, Gastric and Pancreatic, Colorectal, Neurosurgery/ Tumor Biology: Pathology, Clinical laboratory, Biotherapy/ Imaging: Interventional Radiology and Medical Imaging, Echocardiogram and Ultrasound, Nuclear Medicine/ Dedicated Units: Breast Cancer, Gynecological Cancer, Nasopharyngeal Carcinoma and Urology/ Pediatric Oncology

School of Stomatology & Hospital of Stomatology & Research Institute of Stomatology

(Research) Professor/Associate Professor
Oral Science/ Medical Science/ Biomedical Science: Molecular Biology, Microbiology, Biomatериалы, Stem Cell, Tissue Engineering
Clinical Professor/ Associate Professor
Endodontics/ Oral-Maxillofacial Surgery/ Prosthodontics/ Periodontology/ Orthodontics/ Implantology/ Oral Pathology/ Oral Medicine

The Fifth Affiliated Hospital of Sun Yat-sen University

Professor/ Associate Professor
Internal Medicine/Surgery / Gynecology / Pediatrics

The Gastroenterology Institute of Sun Yat-sen University

Professor
Gastroenterology

Application

Please submit your CV and Cover Letter via email to sumse@mail.sysu.edu.cn.
Or by mail to Room 402, Zhongshan Building, Sun Yat-sen University, No. 135, Xingang Xi Road, Guangzhou, P. R. China
Person to contact: Gu Wenli Telephone: 86-20-84111896
**Faculty and Senior Technician Position Recruitment**

Tianjin Institute of Industrial Biotechnology of Chinese Academy of Sciences (TIB, CAS), co-sponsored by Chinese Academy of Sciences and Tianjin Municipal Government, was established in March 2001 as a non-profit organization and national comprehensive research institution. TIB, located at Tianjin Airport Economic Zone, focuses on the basic and application research of the industrial biotechnology field and promotes the research development to the world frontier. Three main research fields of TIB include: Protein and Bio-catalysis engineering, Synthetic biology and microbial manufacturing engineering, and Biosystems and Bio-process engineering.

**Principal Investigators**

We invite outstanding individuals to apply for a faculty position at the level of Assistant Professor, Associate Professor, or Professor. The major focus of the current search is the area of:

- **Protein and Bio-catalysis engineering**: Protein engineering, Protein structure, Enzyme kinetics, Thermodynamics of enzyme, Biological catalysis.
- **Synthetic biology and microbial manufacturing engineering**: Proteomics, Metabolomics, Genomics, Transcriptomics.
- **Biosystems and Bio-process engineering**: Fermentation engineering, Separation and purification engineering, Metagenome, Microbial community metabolism network, Multispecies mathematical modeling.

We especially encourage applicants to use interdisciplinary approaches in the basic research and applied projects. The candidate should have a Ph.D. degree and postdoctoral training experiences. Successful candidates are expected to develop an independent research program that can attract national and international research funding. Salary will be competitive and commensurate with experience and qualifications.

**Senior Technician**

We are seeking exceptional candidates for the position of senior technicians in enabling platforms including Microbial High throughput screening platform, Microbial system biotechnology platform, Simulation and pilot fermentation platform, and Biomedical engineering platform. Enabling platforms will provide efficiencies of scale through increased instrument usage and centralized technician and academic staff support. The primary aim of the platforms is to serve the research needs. Applicants must have a Ph.D., M.D. or equivalent graduate degree and have relevant experience in one of the installations. For example, Fermentation Technology Facility, High-Throughput Screen facility, NMR, Mass Spectrometry, X-Ray Diffractometer, Scanning Electron Microscope, etc. Salary will be competitive and commensurate with experience and qualifications.

To apply, applicants should e-mail a detailed curriculum vitae, a brief statement of current and future research goals including the names and addresses of three referees to Ms. Zhi Li at tib_oversea@tib.cas.cn. Phone: 86-222-8461921

Please indicate the position you are applying for in the subject title.

Visit our website at www.tib.cn.cn

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**Faculty Positions in Life Sciences and Medicine**

Zhejiang University established Life Sciences Institute (LSI) in October 2009. LSI aspires to become a top research institute in a broad range of biological and medical research.

The institute provides an academically stimulating platform for innovative biomedical research. The mission of the institute is to investigate fundamental mechanisms governing living organisms and unravel their deregulation during human pathogenesis.

LSI integrates strengths and resources in places from multiple disciplines at Zhejiang University, assembled internationally competitive research laboratories, and builds a landmark biomedical research powerhouse in China.

LSI has 9 laboratories and seeks additional 20 exceptional principal investigators at all levels to conduct innovative research in the areas of life and medical sciences, including (but not limited to) cancer biology, stem cell biology/development, biochemistry/molecular biology, chemical biology, systems biology, structural biology, immunology, and any disciplines related to cancer and major human diseases. Applicants should have demonstrated their outstanding track records with high impact publications in the field; senior applicants should have an independent and exciting research program.

A very generous recruiting package will be offered to tenured-track faculty members according to qualifications and experiences, including salary and benefits (300,000~800,000 RMB), housing (or housing subsidies), and internationally competitive start-up research support (~5,000,000 RMB). LSI and the university in general provide outstanding state-of-the-art research facilities and strong supporting staffs. The city of Hengzhou provides an ideal urban living and cultural environment with natural beauty, outstanding school systems, and ready access to other metropolitan areas (including Shanghai).

To apply, please login in website [http://lsi.zju.edu.cn](http://lsi.zju.edu.cn) to sign up and submit application, including a full CV, cover letter, and future plan. Application can also be sent to lsi@zju.edu.cn. In addition, at least three letters of references should be sent to lsi@zju.edu.cn. Both Chinese and non-Chinese nationals are encouraged to apply.

Applications will be accepted until the positions are filled. For further information, please contact the LSI main office, Tel: +86-571-8898-1373, Fax: +86-571-8898-1337, email: lsi@zju.edu.cn.
Kunshan RNAi Institute (KSRI) was founded in 2008 with a focus on the translational research and development in biomedicine with particular emphasis on RNAi technologies. KSRI is a non-profit research organization supported by the Kunshan government with a 300 million RMB initial investment. It is the first Provincial Engineering Center for RNAi in China. The main missions of KSRI include building up the infrastructure for siRNA-based drug development and providing researchers with a venue and mechanism to advance their discoveries into a translational phase. The first 3500 sqm facility was deployed in Oct 2009, and the 40000 sqm R&D center will be in full operation by the Spring of 2012 to host start-up biomed companies such as RIBO as well as facilities for bio-medical research, chemistry and manufacture, formulation, and animal facility. Ten labs are formed within the Institute and supported in collaboration with leading scientists as well as industrial leaders for carrying out translational research. Great progresses have been made in target screening, small RNA synthesis, chemical modification, delivery system and drug discovery. Kunshan City and Tsinghua Science Park are currently building China’s first RNAi Industrial Park with the Institute as the main engine for the park. In collaboration with RIBO and national academic leaders, KSRI co-organized the RNAi China conference for the last three years as well as the first RNAi Asia Conference.

We are seeking 5 highly qualified researchers to join us as chief scientists on the on rank of Deputy Director of Laboratory for the Labs of siRNA biotechnology, RNA chemistry I(Synthesis), RNA chemistry II (modification), siRNA delivery and formulation, and siRNA Production and standards. Successful applicants should have Ph.D. degree in relevant subjects, postdoctoral working experience and good track record of innovation and accomplishment in academic or industrial settings, and good communication skills, and desirably supervision experience. Industrial veterans with experience for discovery and development of biologics are also encouraged to apply. Interested applicants shall address a letter of application and contact info of three references to : Mr. Shaolin Cheng, cheng.shaolin@sohu.com, 0086-512-50337815

The Kunshan RNAi Science Park is also inviting entrepreneurs and scientists with innovative technology or new products in pharmaceutical and diagnostic field, with in particular but not limited to biologics and RNAi , to explore the excellent business environment of Kunshan City for setting up start-up companies. For further discussion please contact Mr. Biao Xun (xunb@tuspark.com)

For more information, please visit http://www.ksrnai.com

Suzhou RIBO Life Science Co. Ltd. is the leading RNAi technology and pharmaceutical development company in China, located at Tsinghua Science Park in Kunshan City, a beautiful small town within 40-minute drive from Shanghai. Founded in 2007 by prominent scientists and entrepreneurs in RNAi biology and chemistry, RIBO is devoted to siRNA technology innovations and capacity build-up to enable siRNA drug development in China.

RIBO has built strength on siRNA design, screening, chemical modification, stabilization, and has developed liquid phase RNA synthesis technology and facility, and has set up the first large scale siRNA production facility in China designed according GMP standard and accredited by ISO9001:2008. These have been well concerted with RIBO’s effort to develop siRNA based therapeutics for combating major diseases such as cancer, hepatitis and fatty liver.

RIBO was named Jiangsu Province Innovation & Entrepreneur Team in 2010 among fierce competition. While entering a phase of rapid expansion, RIBO will provide an ideal platform for industrial veterans and scientists to contribute and make a difference in the Chinese siRNA industry. The company has currently opened the following positions: VP R&D (R&D experience in anti-cancer or antiviral compounds), Director Production (expertise in nucleic acid API), VP or Directors Preclinical and Clinical Development (Solid experiences in leading projects into various development stages, and preferably familiar with Chinese regulatory environment). The positions can be located either in headquarter in Kunshan or in the research center in Beijing. Highly motivated are invited to send resume, application letter as well as contact information of three references to hr@ribolia.com or call us at +86-010-82898317.

>>To learn more, please click at www.ribolia.com
and families want their child to have a Ph.D., and will invest almost every coin they have in their child’s education, so we can’t say that we won’t provide that opportunity. Instead, we need to improve the quality of higher education to meet and guide the demands of society for high-quality human resources and help graduates find jobs.” To encourage young researchers, CAST gives an award every other year for talented young scientists, and five years ago, started an annual award for young women scientists, funded by L’Oreal (China) as an extension of the L’Oreal-UNESCO Women in Science Partnership. Although awards for young scientists usually have an under-40 age requirement, the age for the L’Oreal award was recently raised to 45. “We did this to encourage women to return to their science career after maternity leave,” says Cheng.

Other new opportunities for young scientists are coming from corporations and nonprofits, which are not currently major funders of research and training. BGI has a joint undergraduate program to educate students in multidisciplinary genomics work. Huang Xiaojuan, director of Educational Cooperation and Exchanges at the BGI Education and Training Department, explains that the program started in 2009 with the Southern China University of Technology as the first academic partner. The approximately 100 students in the program now come from more than six universities. Participants are considered students at their home university, but live at BGI employee dormitories in Shenzhen while they are trained in bioinformatics and genomics and gain general research and development experience. BGI is now setting up graduate programs with international partners such as the University of Copenhagen and the Chinese University of Hong Kong. Huang and her husband both trained in the United States, but a sense of opportunity and potential brought them back to China.

Young scientists might look to Hong Kong for opportunities. “Hong Kong is a small place but we provide an international perspective,” says University of Hong Kong’s Tam. “We’re transforming from a three-year to a four-year undergraduate curriculum, so the university is recruiting an additional 20 to 25 percent academic staff.” Hong Kong researchers are now eligible to apply for some Chinese state grants, says Tam, which should result in more opportunities for exchange and collaboration between Hong Kong and mainland China.

FAMILIAR ADVICE IN TIMES OF FLUX
The Chinese scientific landscape has both promising heights and problematic low points but reassuringly, experienced scientists all point young researchers in the same direction. Says Tam, “the most important thing is to follow one’s passion but be prepared for changes. Some people may take the academic pathway and some may choose industry, business, or administration, but just enjoy your work, and take opportunities as they come along. It’s a great moment to be in science and we need more young scientists.”

CAST Vice-President Cheng also advises students that first and foremost, they must be committed to science. Then, she says, “there’s no right or wrong way to start your career. Different people have different opportunities, skills, and starting points.” Science is without borders, she says, but Chinese scientists have a unique potential for worldwide impact. “We have the biggest population in the world, so Chinese development contributes to global development. It’s all one mission: not two sides of a coin, but only one.”

The young science stars Wang and Shen, as you might expect, have an even more universal perspective. At BGI, where a bold attitude is valued and the idea of Chinese scientists as followers instead of leaders is considered outdated, Wang advises learning to work in English, and aiming high. “Pick the best and most high-impact projects, select the best team, and be collaborative and creative. Dare to say and do what you think is most important. Students should not be shy.”

At Tsinghua University, Shen looks back on her first year back in Beijing and remains bullish on Chinese science. So far, she has found the system to be more fair and honest than she expected from media descriptions. She still encourages students to go abroad at some point, though, just to have the experience. Her advice to young researchers—“Don’t stay in one place”—could just as easily be given to her international colleagues, who are increasingly being invited to follow the rising star of Chinese science. At GUCAS, Chen encourages visitors to come to China, not just to exchange scientific ideas, but also for the cultural opportunities and personal experience. He says, “Just as we go to the U.S. and other countries, we want researchers and students from all over the world to come here.”

Chris Tachibana is a science writer based in Seattle, USA, and Copenhagen, Denmark.

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Discover New Drugs in Chengdu, Sichuan, China

Haisco Pharmaceutical Group Co., Ltd. is a rapidly growing pharmaceutical company based in the scenic city of Chengdu, Sichuan in China. We have committed our long term best-in-class drug discovery strategy to provide affordable new medicines for the China and global markets and are now recruiting highly motivated individuals with strong publication record in top tiered journals to join our drug discovery leadership team for the following positions:

**Discovery Biology**
PhDs in modern molecular and cellular biology with experience in target identifications and validations, in vitro assay development and mechanism studies in diabetes, cardiovascular diseases, central nervous system disorders or oncology.

**Discovery Structural Biology**
PhDs in Biochemistry or Protein chemistry with at least 3 yrs experience in protein production and structure elucidation. Experience in fragment based drug discovery is a plus.

**Discovery in vivo Pharmacology**
PhDs in pharmacology with 2 yrs of postdoctoral experience in conducting in vivo efficacy studies in in diabetes, cardiovascular diseases, central nervous system disorders or oncology.

**Discovery Medicinal Chemistry: Synthetic Organic Chemistry**
PhDs in synthetic organic chemistry with strong solving skills and extensive and in-depth knowledge of modern organic synthesis and total synthesis of complex organic molecules.

**Discovery Structural Chemistry: Molecular Modeling**
PhDs in structural/computational chemistry with at least 3 yrs experience in computer-aided drug design. U/L/O and/or modern multi-nuclear NMR techniques in structure elucidation and NMR maintenance (400/600 MHz). Experience in fragment based drug discovery is a plus.

Conveniently located in the centre of China, Chengdu is becoming the premier city in China yet rich both in cultural heritages and diversities surrounded with the most breathtaking sceneries offered in China. We offer a competitive relocation and compensation package and an open, challenging, comfortable and smoke-free environment.

Please forward your resume to liuhui@haisco.com for immediate consideration.

Haisco Pharmaceutical Group Co., Ltd.
www.haisco.com liuhui@haisco.com

Faculty Positions at Suzhou Institute of Biomedical Engineering and Technology (SIBET), Chinese Academy of Sciences (CAS), Suzhou, Jiangsu, China

SIBET is situated in Suzhou, an ancient city near Shanghai in China. SIBET focuses on core technology development in spectroscopy, medical imaging, micro-nano sensors and medical semiconductor lasers by integrating high technology in fields of biology, photoelectricity, nuclear medicine and computation. SIBET is dedicated to develop mature products in medical instrumentation and biomedical reagents to meet the demands of public health and domestic medical industrial development. Currently, the R&D fields include medical lasers, biomedical measurement, medical imaging, biomedical electronics and biomedical reagents.

We are seeking candidates for faculty positions at Associate Professor/Professor levels to work in the fields of (1) medical lasers, (2) medical imaging, (3) clinical diagnosis and analysis devices, (4) biomedical electronics and (5) biomedical reagents. Especially talents experienced in R&D fields related to (1) Positron Emission Tomography/Computed Tomography (PET/CT), (2) Medical semiconductor laser therapeutic instrument, (3) Micro-Optical-Electro-Mechanical System, (4) Precise/ultra-precise optical-mechanical machining platform and (5) Laser scanning confocal microscope are welcomed.

Generous start-up packages will be provided to equip labs. Competitive salaries and benefits will be provided as well. Candidates should have an outstanding track record of scientific productivity, the ability to manage labs and research projects independently, and excellent communication skills in Chinese and English.

Please send curriculum vitae, a statement of research interests and future plans, and a list of three references to:
Mr. Wang Yile
Human Resource Department
Suzhou Institute of Biomedical Engineering and Technology (SIBET), Chinese Academy of Sciences (CAS)
88 Keling Road, SND, Suzhou 215163, China
Tel: 86-512-69588025; Fax: 86-512-69588088
Email: wangyl@sibet.ac.cn

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

The University of Liverpool invites applications for a number of academic posts based in the Department of Molecular and Clinical Pharmacology and prestigious MRC Centre for Drug Safety Science. These posts are part of the University’s continued and significant commitment to the MRC Centre, as it expands. For all positions, candidates with an established track record in research in any field of Immunopharmacology, Medicinal Chemistry, Molecular Pharmacology, Molecular Toxicology, Quantitative Pharmacology or Personalised Medicine relevant to Drug Safety Science will be welcomed. Candidates from the Pharmaceutical Industry will also be considered.

2 Chairs of Pharmacology

**Salary Negotiable**

An opportunity is available for 2 Chairs for outstanding individuals to take senior strategic roles in the MRC Centre as it expands. You will have an established independent research programme which will complement and enhance the existing strengths in Pharmacology and the MRC Centre. Attractive support packages will be available together with high quality laboratory research space and an opportunity to develop further refurbished research laboratories. Job Ref: A-576898/S

**Senior Lecturer in Pharmacology**

£48,097 - £59,154 pa

You will be an outstanding investigator with a developing track record. You should have a PhD (or equivalent) with relevant postdoctoral training. You will have an excellent research background that will complement and enhance the existing strengths at the MRC Centre. Job Ref: A-576897/S

**Lecturer in Pharmacology**

£36,862 - £46,696 pa

You will be an investigator of outstanding potential with a developing track record. You should have a PhD (or equivalent) with relevant postdoctoral training. You will have an excellent research background that will complement and enhance the existing strengths at the MRC Centre. Job Ref: A-576900/S

Closing date for all posts: 23 January 2012

For full details, or to request an application pack, visit www.liv.ac.uk/working/job_vacancies/ or e-mail jobs@liv.ac.uk Please quote job ref in all enquiries.

COMMITTED TO DIVERSITY AND EQUALITY OF OPPORTUNITY

Science Careers
www.sciencecareers.org
ASSISTANT/ASSOCIATE PROFESSOR IN BIOINFORMATICS AND GENOMICS

Positions are available immediately at the rank of Assistant and Associate Professor (tenure track) in bioinformatics and genomics in the School of Medicine and Biomedical Sciences at the State University of New York at Buffalo.

The candidate will be appointed in a department (Biochemistry, Biomedical Engineering, Microbiology, Pathology, or Structural and Computational Biology) best matching his or her interests. We are particularly seeking individuals with outstanding biological and quantitative expertise and a successful track record of collaborating with interdisciplinary scientific teams. Successful candidates will specialize in multilevel analysis and integration of genomic, epigenomic, proteomic, or preclinical/clinical datasets, and have strong data mining abilities focused on generating testable hypotheses. Preference will be given to candidates with experience in high resolution/high-throughput data analysis, including the development and application of bioinformatics/computational tools to complex genetic disease, metagenomics, infectious disease, oncology, model systems and translational biomedical research.

State-of-the-Art Facilities: Space exists in the Center of Excellence in Bioinformatics and Life Sciences building in close proximity to the Hauptman-Woodward Institute, the Clinical and Translational Research Center and Roswell Park Cancer Institute on the Buffalo Niagara Medical Campus. Our state-of-the-art experimental infrastructure includes core facilities for next generation sequencing, genomics, proteomics, and imaging, as well as the UB Center for Computational Research (CCR). CCR maintains a high-performance computing environment, high-end visualization laboratories, and support staff of 13 with expertise in high-performance computing, software engineering, grid computing, database engineering, and advanced networking.

Candidate Requirements: The successful applicants will have a Ph.D., or M.D./Ph.D. in bioinformatics, computational biology genomics or related field with postdoctoral and professional experience appropriate to the rank of the appointment. Duties include development of an independent research program, and teaching undergraduate, graduate, and professional students. Competitive startup packages are available.

Applications: Applications for this position will only be accepted online.

To apply, please visit: www.jobs.buffalo.edu/applicants/Central?quickFind=54111

The University at Buffalo is an Equal Opportunity/Affirmative Action Employer/Recruiter.

ASSISTANT PROFESSOR

Behavioral Genomics

The Center for Prevention of Youth Behavior Problems (CPYBP) at the University of Alabama is recruiting for a tenure-track faculty position at the assistant professor level starting August 16, 2012. The position is broadly defined as one that could require expertise in behavioral genetics, epigenetics, or computational biology. Responsibilities include undergraduate and graduate teaching, research mentoring, development of an independent research program, and pursuit of external funding.

Candidates for this position should possess a Ph.D. in biology, psychology, anthropology or related discipline, with an emphasis in neuroscience, and demonstrate potential for a distinguished scientific career. Postdoctoral training is preferred. The position targets individuals with a background in any area of behavioral genomics related to aggressive behavior in humans. However, specific areas that will be given preference are those focused on genetic or neural substrates for environmental interactions related to decision-making and aggressive behavior in youth.

To apply, go to http://facultyjobs.ua.edu and complete the online application. Attach a letter of application outlining qualifications, research interests, teaching philosophy, evidence of teaching effectiveness, and potential fit with the CPYBP curriculum vitae; and supporting documents (teaching evaluations, up to 3 reprints, etc.). Three letters of recommendation should be mailed to John Lochman, Chair, Behavioral Genomics Search Committee, Center for Prevention of Youth Behavior Problems, The University of Alabama, Box 870348, Tuscaloosa, AL 35487-0348. Review of applications will begin December 15 and will continue until the position is filled.

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

touching lives
THE UNIVERSITY OF ALABAMA

The UC Davis Genome Center integrates experimental and computational approaches to address key problems at the forefront of genomics. The Center is housed in a new research building with state-of-the-art computational and laboratory facilities and currently comprises 15 experimental and computational faculty. These faculty are part of an internationally recognized program in genomics and computational biology at Davis, building on and enhancing the unique strengths and unmatched breadth of the life sciences on the UC Davis campus.

The Genome Center and the School of Medicine invites applications for a tenure-track faculty position in the area of human genetics and genomics. Applicants interested in genomic approaches to human diseases and investigators employing large-scale, technology-driven approaches that complement existing strengths at UC Davis are particularly encouraged to apply. Candidates should be strongly motivated by the biological and medical importance of their research and should value the opportunity to work in close collaboration with other groups and disciplines.

Candidates may be at any academic level. At the senior level, we invite applications from prominent scientists with distinguished records of research, teaching, and leadership in genomics. At the junior level, we invite applications from candidates whose accomplishments in innovative research and commitments to teaching demonstrate their potential to develop into the future leaders in human genetics and genomics.

This position requires a Ph.D. or equivalent. The appointment will be at the Assistant, Associate or Full Professor level in an appropriate academic department in the School of Medicine. The position will remain open until filled. For fullest consideration, applicants should submit a letter of application, curriculum vitae, statements of research and teaching interests, and the names of at least five references to the Genome Center Web site www.genomecenter.ucdavis.edu by January 4, 2012.

The University of California is an Affirmative Action/Equal Opportunity Employer.
Assistant Professorships in Biology

The Department of Biology (www.biol.ethz.ch) at ETH Zurich invites applications for three non-tenure track Assistant Professorships in:

Computational Biology

The Professorship is expected to build a strong, independent research program within the field of Molecular Systems Biology in the Department of Biology at ETH Zurich (IMSB; www.imsb.ethz.ch). Research areas include, but are not limited to, the development of novel or the implementation of existing computational methods for the analysis and modeling of molecular and developmental networks and their dynamic changes in cells, using information available from genomic, proteomic, imaging and metabolomic data. The successful candidate is expected to contribute to the ongoing efforts to increase quantitative and computational aspects in biological education. Applicants should have an excellent record of internationally recognized research and a background in the application of computational methods to Biology. The focus should be on addressing complex biological questions. The Department of Biology offers outstanding scientific opportunities to participate in interdisciplinary research projects, including close interactions with SystemsX.ch, the Swiss initiative for Systems Biology, the Functional Genomics Center Zurich, and colleagues in Informatics and Mathematics.

Structural Biology / Biophysics
(Electron Microscopy / Single Molecule Spectroscopy)

The Professorship is expected to build an internationally competitive, innovative research program within the Institute of Molecular Biology and Biophysics (IMBB; www.mol.biol.ethz.ch), which provides an excellent scientific environment and access to state-of-the-art equipment. Research areas of interest include studies of bio-macromolecules and their cellular context using single particle cryo-electron microscopy or single molecule spectroscopy. For electron microscopy, transmission electron microscopes (including a FEI Tecnai G2 F20 cryo and a Titan Krios) are available within the Electron Microscopy Center of ETH Zurich.

RNA Function and Technology in Disease

The Professorship is expected to build a vibrant and internationally visible research program that combines molecular, biochemical and genetic approaches to generate fundamental knowledge on RNA or RNA-Protein complexes and their contribution to homeostatic and disease mechanisms and/or develops state-of-the-art technologies in this area. The activities should be integrated with ongoing efforts in the Department of Biology in the areas of Molecular, Cellular, and Systems Biology. The successful applicant is also expected to develop translational research activities in the context of the ETH Zurich strategic initiative in Health Sciences. The research group will be housed in the new Institute of Molecular Health Sciences (IMHS; www.imhs.biol.ethz.ch) of ETH Zurich dedicated to the understanding of basic and disease mechanisms.

All candidates are expected to contribute to the teaching activities of the Department of Biology at the Bachelor and Master level, and the interactive, scientific environment at ETH Zurich. The new Professors will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

At ETH Zurich, positions at the Assistant Professor level are aimed at promoting the careers of young Professors and at giving them the opportunity to gain further scientific qualifications in view of an academic career. The initial appointment is for four years with the possibility of renewal for an additional two-year period.

Please apply online at www.facultyaffairs.ethz.ch. Your application should include your curriculum vitae, a list of publications, the names of at least three referees, and a short overview of research interests. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Ralph Eichler. The closing date for applications is 31 January 2012. ETH Zurich is an equal opportunity and affirmative action employer. With a view towards increasing the number of women in leading academic positions, ETH Zurich specifically encourages women to apply.
9 PhD student fellowships

starting April 1st, 2012 and limited for 3 years.

Since the research subject of microbial impact on weathering, reactive transport and remineralization is strictly interdisciplinary, the faculty comprises three geological, one mineralogical, two soil science, one chemical and two microbiological expert groups. With this research profile, a PhD program is established that is characterized by its scientific excellence and strong international context and that will stimulate interaction between students coming from different scientific disciplines.

Applicants for the scholarships have to show that they are among the 5% top graduates of their bachelor year, applicants of the PhD student fellowships should have an excellent diploma or MSc (more than 80%) in the field of biology, geology, chemistry or comparable certification.

Vacant PhD projects:

• Bioconversion of mobile organo-mineral geosorbents: microbial effects on reactivity and mobility
• Linking iron cycling to the stabilization and spatial distribution of soil organic matter
• Microbial formation of heavy metal containing secondary minerals
• Microbial influence on sorption of heavy metals to Fe-, Mo-, Al-oxihydroxides
• Investigation of the microbial impact on the alteration and degradation of clay minerals
• Mineral transformation and biomineralization with stibnite and tetrahedrite
• Investigation of the microbial mineralization process by means of spectroscopical methods
• Biomolecular mechanisms of Corg mobilization
• Understanding the mechanisms of organic matter degradation from black pelites

Further information you find at http://www.gk-alteration.uni-jena.de link Recruitment/Applications. Send your electronic application including the application form to katrin.krause@uni-jena.de, deadline except for postdoctoral fellow January 15th, 2012.
**FACULTY POSITIONS**

In a pioneering international initiative, Cornell University and Weill Cornell Medical College established the Weill Cornell Medical College in Qatar (WCMC-Q) through a unique partnership with the Qatar Foundation for Education, Science and Community Development. Located in Doha, Qatar, and in its tenth year of operation, WCMC-Q seeks candidates for faculty positions to teach in Doha in the field of:

**BIOLOGY**

We are seeking experienced biologists who will have major responsibility for the teaching of a two-semester Biology sequence (including laboratories) to a select group of highly motivated undergraduate pre-medical students. There may be opportunities for teaching more advanced courses in the biological sciences and genetics. In addition to the principal teaching obligation, the successful applicants will participate in student academic advising, committee work, and the academic life of WCMC-Q. Teaching and state of the art research facilities are situated within a building designed to Cornell specifications and located in Education City in Doha among other American and European universities.

This unique program provides the successful applicants with the opportunity to leave their mark on a pioneering venture. Further details regarding the WCMC-Q program and facilities can be accessed at:


Candidates will hold a Ph.D. degree in Biology or Biological Sciences or a closely related discipline and will be able to demonstrate a record of excellence in teaching and scholarship. Ideal candidates are expected to have experience of teaching at the professorial level in a North American higher education system.

A comprehensive and highly competitive salary and foreign-service benefits package including fully furnished housing that meets or exceeds high U.S. standards along with other supplementary benefits are provided.

Qualified applicants willing to relocate to Doha, Qatar for the duration of the appointment (usually three years) are invited to submit a letter of application outlining their interest in the position and how their skills and experience match WCMC-Q’s requirements, along with a curriculum vitae, at:


*Please note that, due to the high volume of applications, only short-listed candidates will be contacted. Short-listed candidates will be asked to provide names of three references.*

Cornell University is an equal opportunity, affirmative action educator and employer.

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**Group Leader**

**Salary range: £39,723 - £48,992**

Applications are invited for a Group Leader to lead a new research group in the Cell Biology Division of the Laboratory of Molecular Biology. The LMB has an exceptional record of ground-breaking research, excellent resources, and outstanding facilities and workshops.

We seek someone planning bold and imaginative approaches to solve fundamental questions in any area of cell biology. The primary selection criteria are scientific excellence and potential for major impact; synergy with our existing research programmes would be an advantage.

You should hold a PhD and exhibit an excellent track record of previous publications with outstanding potential for independent research. Substantial core funding will be available.

This appointment is likely to be at the tenure track level, although we do not rule out a more senior position for a suitably experienced candidate.

This position will remain open until it is filled; however, applications received by 6th January 2012 will be given priority in the initial selection process.

Informal enquiries can be addressed to Matthew Freeman: MF1@mrc-lmb.cam.ac.uk

Applications should include a covering letter and a full CV, an outline of current research interests (1 page) and a proposal for future research (up to 2 pages), along with the names and addresses of three referees who have agreed to be contacted prior to interview.

Applications for this post must be made online at [https://ext.ssc.rcuk.ac.uk ](https://ext.ssc.rcuk.ac.uk) inputting the reference IRC37697. If you do not have access to the Internet, or experience technical difficulties, please contact 01793 867 003.

For further information about the MRC visit [www.mrc.ac.uk](http://www.mrc.ac.uk)

The MRC is an Equal Opportunities Employer.
The Department of Molecular Carcinogenesis at The University of Texas MD Anderson Cancer Center, Science Park, http://sciencepark.mdanderson.org, seeks applications for a tenure-track position at the Assistant Professor level. Research in the department focuses on cellular, molecular, and genetic mechanisms of carcinogenesis and cancer prevention. We seek individuals working in the areas of genetic susceptibility, epigenetic reprogramming, genomic instability, and cancer stem cells. Candidates must be committed to working in a highly collaborative, interdisciplinary environment. The successful candidate will be expected to develop and maintain an internationally recognized and competitively funded research program, and to participate in graduate training. The department is well funded with many outstanding core support services, including facilities for analysis of genetically engineered mouse models. Our Division is located in a pine-oak forest near the city of Austin, TX. MD Anderson offers outstanding research facilities, startup packages, and faculty benefits. Required qualifications include a Ph.D. (or equivalent), postdoctoral or independent scholarly research experience, and a strong publication record.

Candidates should submit a statement of research interest and a CV to the email address below by February 15, 2012.

sciencepark@mdanderson.org

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

The Novo Nordisk Foundation Center for Protein Research has been established to promote basic and translational research on human proteins of medical relevance. Since the opening of the new dedicated laboratories in June 2009, the Center now comprises a wide range of expertise and skills within its research departments, with activities in the areas of disease systems biology, proteomics, high-throughput protein production and characterisation, chemical biology, disease biology, and protein therapeutics. Currently ~130 staff members have been recruited and all essential research infrastructure has been established.

For additional information regarding the Center contact contact@cpr.ku.dk or see www.cpr.ku.dk

Chief Scientist in Protein Science & Technology
Professorship

Applications are invited for the post of a Chief Scientist/Professor in Protein Science and Technology with focus on protein families and signaling pathways. The position as Chief Scientist is available at the Facility for Protein Science and Technology at the Novo Nordisk Foundation Center for Protein Research (CPR), Faculty of Health Sciences at the University of Copenhagen.

The post entails research within the field of Protein Science and Technology (PST). Research areas of particular interest to the Center are e.g. human enzymes such as kinases or proteases, disease relevant signaling pathways, post translational modification dependent signaling, epigenetic regulation mechanisms and integral membrane protein function.

The appointee will build up and lead the research within PST, be part of the Center Executive Management Team, work to set and implement long-term strategic objectives for PST and ensure that the activities within the PST are performed at the highest international level. The appointee will also be a key player regarding operations and strategic development of the Center overall.

Applications must be received by 16 January 2012, 14:00 local Danish time. This notice is an extract which may not be used as the basis for an application. The full text of the notice inviting applications for the associate professorship is available from www.cpr.ku.dk/jobs as well as www.ku.dk/stillinger or from the Faculty on tel. + 45 35 32 75 45.

Why not change the world?

David M. Darrin ’40 Senior Endowed Chair

Rensselaer Polytechnic Institute invites applications and nominations for a distinguished scientist, with international reputation, well-established research and teaching record, and demonstrated ability to generate external funding for the David M. Darrin ’40 Senior Endowed Chair. The successful candidate must have an earned Ph.D. in biology, environmental or ecological sciences or in a related field, and must also possess at least ten (10) years experience during which time a distinguished record of academic and professional leadership has been established, and who are accomplished in developing and managing research programs. Candidates must be eligible for appointment to the rank of Full Professor with tenure.

The David M. Darrin ’40 Senior Endowed Chair will be expected to play a critical role to lead and integrate environmental research and educational programs at the Darrin Fresh Water Institute (http://www.rpi.edu/dept/DFWI/index.html), and the Rensselaer main campus in Troy, NY. As a member of Rensselaer’s faculty, the successful candidate will be required to develop a high-quality research program that complements and supplements the existing strengths of the department; to teach graduate and undergraduate courses; advise students; and to serve the department, institute and profession.

Nominations and applications must be sent as a single PDF document containing curriculum vitae, a statement of research accomplishments and goals, and a brief description of teaching interests to biology-chair@rpi.edu. Questions may be directed to Dr. Susan P. Gilbert, Chair, Search Committee for David M. Darrin ’40 Senior Endowed Chair, Department of Biology – 1W14 JRSC, Rensselaer Polytechnic Institute, 110 8th Street, Troy, NY 12180-3590.

Consideration of candidates will begin upon receipt of applications and will continue until the position is filled.

We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer’s work and campus communities.

Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.
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An exceptional career requires insightful planning and management. That’s where Science Careers comes in. From job search to career enhancement, Science Careers has the tools and resources to help you achieve your goals. Get yourself on the right track today and get a real career plan that works. Visit ScienceCareers.org.
As part of Duke University’s new Energy Initiative, the Division of Earth and Ocean Sciences in the Nicholas School of the Environment invites applicants for a tenure-track faculty position at the associate or full professor level in the field of Energy and Environment. The candidate should have a strong science or engineering background, an understanding of energy issues beyond his/her area of technical training, and the ability and interest to interact with colleagues from a wide spectrum of fields on interdisciplinary energy problems. We are particularly interested in candidates who have expertise in energy systems, i.e. the integrative use of energy by humans, including energy resources, power generation and distribution, energy technologies, and the connection between energy use and climate change. The candidate’s work will ideally reflect a long temporal (decadal and greater) and large spatial (regional to global) scale perspective on energy systems.

The successful candidate will assume Directorship of the Nicholas School’s Energy and Environment Program, which encompasses leadership of the Energy and Environment Concentration in the School’s Professional Masters of Environmental Management Program, and leadership roles in Duke University’s Undergraduate Certificate in Energy and Environment and in the University’s Gendell Center for Engineering, Energy and Environment, the latter two of which are jointly administered by the Nicholas School and Duke’s Pratt School of Engineering. The successful candidate will also join the Faculty Advisory Council of Duke’s new Energy Initiative. This Council consists of energy experts from across the University and is responsible for developing, coordinating, and promoting a shared set of energy courses and programs, and energy faculty hiring at Duke. More on the Initiative can be found at energy.duke.edu.

The Nicholas School focuses on leadership in education, research, and service to understand basic earth and environmental processes, to understand human behavior related to the environment, and to inform society about the conservation and management of the environment and its natural resources. Research interests within Earth and Ocean Sciences and the Nicholas School that will complement this position include climate dynamics, water resources, land-use change, and environmental science and policy. Additional interactions with respect to energy are possible with the Pratt School of Engineering, Trinity College of Arts & Sciences, the Fuqua School of Business, the Sanford School of Public Policy, the Law School, and the Nicholas Institute of Environmental Policy Solutions.

Letters of interest should include a curriculum vitae, a statement describing the candidate’s research interests and goals as they relate to energy systems, and names of three references. All materials should be sent electronically as a single PDF file to maryanne@duke.edu. The search committee will begin to review applications on January 15, 2012, with an anticipated start date of September 1, 2012.

The International Institute of Molecular and Cellular Biology (IIMCB), Warsaw, Poland, and the Max Planck Institute for Heart and Lung Research (MPI-HLR), Bad Nauheim, Germany, invite applications for two Research Groups.

We seek talented, dynamic, independent, and motivated scientists early in his/her career to establish two research groups, one at IIMCB in Warsaw, the other at MPI-HLR in Bad Nauheim. Successful candidates will develop independent research programs using their own budgets, which will fund research positions, consumables, and equipment. The successful candidates will have outstanding scientific track records with clear evidence of leadership, and a strong interest in animal models of human diseases, particularly in zebrafish (for a position in Warsaw) or molecular mechanisms of cardiovascular diseases (for a position in Bad Nauheim). Initial appointments of group leaders are for five years with the possibility of extension after international review. For more general information please see also: http://www.mpg.de/918399/MPRGL. The start date is negotiable.

IIMCB in Warsaw is one of the most modern country’s research institutes in its field. The Institute’s research topics cover the wide spectrum of protein structural biology, bioinformatics/computer modelling, protein and organellar biogenesis, neurobiology, cancer biology and cell biology. MPI-HLR in Bad Nauheim hosts 4 departments and several independent research groups and is committed to understanding the mechanisms of cardiopulmonary development, diseases and regeneration at the molecular level. The environment of both institutes is international and the working language is English. Each of the institutes is equipped with state-of-the-art technology and excellent core facilities, mutually available for both groups. The institutes provide outstanding research opportunities for their scientists.

Applications should include:
• a cover letter explaining a reason for participation in this program,
• a Curriculum Vitae including a publication list,
• a statement of scientific achievements,
• a two page summary of applicant’s future research plans,
• addresses of two academic referees
• two letters of reference
• copies of three applicant’s most important papers and be sent to personal@mpi-bn.mpg.de.

Deadline for application is January 31, 2012. Successful applicants should be prepared to join a selection symposium held on March 22 2012 in Bad Nauheim.
AAAS 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, a grants and scholarships database, webinars and downloadable booklets filled with practical advice, a community forum providing real-time 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.

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Concurso abierto
Decano del Instituto de Investigación e Ingeniería Ambiental (Argentina)

SE BUSCA

Personas con título de grado y posgrado en áreas disciplinarias afines, menores a sesenta (60) años, residentes en el país y/o en el exterior, con antecedentes de idoneidad y capacidad disciplinar suficiente y con experiencia en dirección y gestión universitaria de unidades pertenecientes a Instituciones de Educación Superior.

El Instituto de Investigación e Ingeniería Ambiental es un ámbito de investigación académica y desarrollo tecnológico que se propone brindar respuestas adecuadas a las problemáticas ambientales de la sociedad.

Fecha de cierre: 20 de diciembre de 2011
Consultas: rectorado@info.unsam.edu.ar

Universidad Nacional de San Martín
Instituto de Investigación e Ingeniería Ambiental
La Universidad Pública Metropolitana

Faculty Positions in Environmental Science and Engineering

The Harvard School of Engineering and Applied Sciences (SEAS) seeks applicants for positions at the tenure-track or tenured level in the field of Environmental Sciences and Engineering, with an expected start date of July 1, 2012. The School of Engineering and Applied Sciences (SEAS) at Harvard University is embarking on a broad initiative within the area of Environmental Sciences and Engineering. Our goal is to expand and strengthen undergraduate and graduate education and research on problems that affect the environment, on scales from local to global and spanning basic and applied sciences and engineering. Highlighted topics include but are not limited to: environmental and energy science, technology, air and water quality, hydrology, natural hazard mitigation, atmospheric science, oceanography, glaciology, and climate science. A key aspect of our strategy is the development of teaching and research initiatives at Harvard that have been the close relationship between SEAS and the other science departments at the University such as physics, chemistry and chemical biology, earth and planetary sciences, organismic and evolutionary biology, etc.

Candidates are required to have a PhD or an equivalent terminal degree, or to be able to certify that they will receive the degree within one year of the expected start date. In addition, we are seeking candidates of exceptional scientific and/or engineering talent who have demonstrated excellence in teaching and experimental, observational, theoretical, or computational research in one or more of these areas, and who would be eager to participate in an expanding ESE undergraduate curriculum.

Applicants will apply on-line at http://academicpositions.harvard.edu/postings/3858. Required documents include a cover letter, curriculum vitae, copies of up to three representative papers, a research statement, a teaching statement, and names and contact information for at least three references. We encourage candidates to apply by January 31, 2012, but applications will be accepted until the positions are filled.

Harvard University is an Equal Opportunity/Affirmative Action Employer. Applications from women and underrepresented minority candidates are strongly encouraged.

COMPUTATIONAL CHEMICAL BIOLOGY

The University of North Texas invites applications for senior (Assoc. or Full) faculty positions in computational chemical biology. Go to http://c3b.unt.edu for more information on the Computational Chemical Biology Cluster. The senior candidate will have an established international reputation with an active, externally funded research program. The area of specialization is broadly defined, but we particularly seek candidates who complement existing strengths and joint appointments are encouraged. An earned doctorate in Chemistry, Chemical Biology, Biochemistry, Scientific Computing, or a related field is required and the home department of the candidate will be determined by experience and research program.

All applicants must apply online at http://facultyjobs.unt.edu/applicants/Central?quickFind=51576. Review of applications will begin on December 15, 2011, and will continue until the search is closed. For more information, email c3b@unt.edu or visit http://c3b.unt.edu.

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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.

Every day Project 2061 staff use their expertise as teachers, researchers, and scientists to evaluate textbooks and assessments, create conceptual strand maps for educators, produce groundbreaking research and innovative books, CD-ROMs, and professional development workshops for educators, all in the service of achieving our goal of universal science literacy.

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

To learn more, visit [aaas.org/plusyou/project2061](http://aaas.org/plusyou/project2061)
Max Planck Institute of Molecular Physiology

The Max Planck Institute of Molecular Physiology (MPI-MP) in Dortmund will host a Symposium entitled

Molecules in cells and tissues: from physiology to pathology

The symposium, which will be held on March 19-20, 2012 within the MPI-MP’s premises, will contribute to shape new scientific directions of the institute and help to identify candidates for a Max Planck Department Director position, and potentially also for junior faculty appointments.

We invite applications from international scientists with exceptional track records. The scientific concept of the MPI-MP is to achieve a holistic understanding of the dynamics of cellular reaction networks at the molecular level. Existing research areas focus on topics that include, but are not limited to, signal transduction at the plasma membrane, organelle sorting, and mitotic cell division. Sophisticated structural, chemical and cell biology approaches are routinely used to investigate these problems. For more information, please consult the institute’s web page (www mpi-dortmund mpg.de).

Scientists who wish to participate in the symposium and who are interested in shaping the future research directions of the institute are invited to send a cover letter and their CV (with list of publications, summary of previous research achievements and future research plan, possibly embedded in a single PDF file) to Dr. Andrea Musacchio, Max Planck Institute of Molecular Physiology, Otto-Hahn-Str. 11, D44227 Dortmund (Germany), Email: andrea.musacchio@mpi-dortmund mpg.de. Informal enquiries are welcome. The deadline for application is January 31st, 2012.

The Max Planck Society is an equal opportunity employer. Female candidates are strongly encouraged to apply. Applications from physically handicapped candidates will be welcomed.

SYMPOSIA

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“Bernstein Award” 2012

Young Scientists Research Award in Computational Neuroscience

The German Federal Ministry of Education and Research (BMBF) has established the “National Network for Computational Neuroscience” with six high-performing “Bernstein Centers for Computational Neuroscience” as the major structural elements.

The “Bernstein Award” is equipped with up to 1.25 Mio Euros in the form of a grant over a period of five years. It will be awarded to a highly qualified young researcher, considering the candidates’ verifiable research profile in the field of Computational Neuroscience and the scientific concept for a future young research group. Young researchers can apply for their own position and group. The group funded by the “Bernstein Award” will become an integral part of the National Network for Computational Neuroscience. Future announcements of the “Bernstein Award” are in the scope of the Ministry’s planning.

The grant is provided for a scientific project of a young research group headed by a postdoc regardless of nationality. The project will be conducted at a German university or research institution – within or outside the Bernstein Centers. It is a prerequisite for funding that the university or research institution concerned employs the young researcher during the funding period and supports him/her with the basic equipment in terms of laboratory space and other infrastructure. A statement made to that effect by the receiving institution must be included with the project outline to be submitted.

Deadline for applications is May 2nd, 2012.

For more detailed information about the “Bernstein Award” including application conditions please visit

http://www.nnecn.de

or


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Science Careers
University of Louisville

ASSISTANT/ASSOCIATE PROFESSOR

The Institute of Molecular Cardiology at the University of Louisville is seeking qualified candidates to join the members of the Institute in work focusing on cell therapy for myocardial repair. Appointments will be at Assistant/Associate Professor level depending on qualifications. The successful candidate will have a track record of working with stem/progenitor cells in the cardiovascular system. He/she will join a productive, highly collegial, and multidisciplinary team of investigators supported by state-of-the-art facilities and considerable funds. Submit letter of application with curriculum vitae and statement of interest to: Dr. Roberto Bolli, 550 South Jackson Street, ACB, Third Floor, Louisville, KY 40202. Affirmative Action/Equal Opportunity.

THE DEPARTMENT OF BIOLOGY AT AMERICAN UNIVERSITY invites applications for a tenure-track position at the advanced ASSISTANT or ASSOCIATE PROFESSOR level to begin August 2012. Depending on qualifications, the appointee to this position may be recommended for tenure at the time of hiring. A Ph.D. in Microbiology/Infectious Disease or a closely related field, an established record of research including strong potential for or evidence of external funding, a strong publication record, and teaching experience are required. Responsibilities will include maintaining a strong externally funded research program, teaching undergraduate and graduate courses, including courses in infectious disease, epidemiology, and microbiology, and serving as Director of the newly established Public Health Program. Applicants should submit a letter of application, curriculum vitae, an overview of their research program, and the names of at least three references to: Dr. Victoria Connaughton, Microbiologist Search Committee, Chair, Department of Biology, American University, 4400 Massachusetts Avenue, NW, Washington, DC 2006. To submit electronically (preferred), send applications to e-mail: biology@american.edu. Review of applications will begin December 1, 2011 and continue until the position is filled. American University is an Affirmative Action/Equal Opportunity Employer, committed to a diverse faculty, staff and student body. Women and minority candidates are strongly encouraged to apply. American University offers employee benefits to same-sex domestic partners of employees and prohibits discrimination on the basis of sexual orientation/preference and gender identity/expression.

FACULTY AND RESEARCHER OPENING at Hunan University

The State Key Laboratory for Chemo/Biosensing and Chemometrics, College of Biology and College of Chemistry and Chemical Engineering at Hunan University will recruit faculty members and research scientists to expand our effort in biology, molecular sciences, and biomedicine and engineering. We welcome applicants in the following four widely defined areas: chemical biology, life sciences (plant molecular biology and plant biotechnology), biomedical engineering, and molecular medicine. Applicants should have a Ph.D. or M.D. in related areas such as biology, medicine, biomedical engineering, and chemistry, etc. Applicants at all academic levels are welcome to apply with the following materials: curriculum vitae, research and teaching statements, and the names of three referees. These materials can be sent to e-mail: hudabiology@gmail.com for candidates in biology, biomedical engineering, and biomedicine; to e-mail: hudachemistry@gmail.com for candidates in chemical biology; and to e-mail: hudaresearcher@gmail.com for research scientists and postdoctoral candidates in all these areas. Competitive salary and startup package will be offered based on qualifications. Review of applications will begin on December 20, 2011, and continue until the positions are filled. Hunan University is a 985 Project University with expanding programs in biology, chemistry, biomedical sciences, and engineering.