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Are you a creative investigator who excels at working collaboratively and pushing disciplinary boundaries?

The College of Biological Sciences at the University of Minnesota is hiring 16 new faculty to form 6 interdisciplinary clusters in emerging areas of biology. All positions are tenure track. Successful candidates will have expertise that complements current faculty and be committed to graduate and undergraduate education.

Learn more about research themes and specific positions at the college’s cluster hiring website.

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Focus on China

Focus on China: A Tale of Two Cities

As the Chinese government invests increasing amounts of money into scientific research, and biotech multinationals rush to open offices in China, opportunities for scientists are exploding. Two cities stand at the forefront of Chinese science. Beijing, close to the center of power, offers more in terms of academia, government jobs, and research. By contrast, Shanghai, China’s commercial hub, is home to the lion’s share of biotech. Chinese scientists who studied abroad are flocking to both cities to contribute to China’s scientific effort, a key pillar of its socioeconomic development. International scientists, seeing a chance to further their careers in an expanding market fueled by vast manpower and funding, and eager for a cultural adventure, are beginning to join them. China is a land of diverse opportunities and myriad challenges; from those already there, objectives, ideas, and advice vary. One thing is certain: The world’s most populous nation and second-largest economy is fast becoming a global hub for scientists of the future. By Clarissa Sebag-Montefiore

Zhui Yi Zhun, dean of the School of Pharmacy at Shanghai’s Fudan University, is one of China’s most successful returnee scientists. In 2009, his status was cemented by winning the National Award for Innovative Research Work of the Returnees from the Chinese State Council. After a promising career abroad, Zhu had come back to help spur the Chinese economy via science and to further his own career. “Coming back to China gave huge opportunities, especially for drug discovery,” says Zhu, who completed postdoctoral training at the Institute of Pharmacology at Germany’s University of Kiel. His work experience includes stints at the University of Washington in Seattle and the Hoechst Marion Roussel Pharma AG (now Sanofi-Aventis) in Singapore. “The Chinese government has started the drug discovery program for the last few years with big funding.”

Zhu, who holds several U.S., Patent Cooperation Treaty (PCT), and Chinese patents for new drugs and has seen one cardioprotective drug successfully launched in Singapore, received grants for more than 160 million yuan (over US$25 million) in China. Such generous funding, combined with the prospect of furthering science in an exciting, emerging market, was hard to turn down.

OPPORTUNITIES AND GROWTH

China is the world’s fastest-growing economy. As the country expands its scientific endeavors to match its economic prowess, many Chinese nationals are returning home—with a significant number heading to Beijing and Shanghai—to take advantage of ballooning opportunities. A career in China is also attracting a number of international scientists who are tempted by a cultural adventure combined with access to ample funding.

The impetus comes from the very top. The Chinese government regards science as an important solution to China’s problems and an engine for the country’s expansion. Unlike many other countries, China has the muscle, funds, and, increasingly, talent to ensure science remains a priority. Above all, China is aiming to transform itself from a labor-based economy to an innovation-orientated nation by 2020, as outlined in its 2006–2020 Medium and Long-Term Plan for the Development of Science and Technology.

continued>

UPCOMING FEATURES

Neuroscience Careers—October 5
Top Employers Survey (print edition)—October 19
European Regional Focus—November 9
Faculty Positions at University of Science and Technology of China (USTC)

The University of Science and Technology of China, is one of the most prestigious universities in China and the only university jointly endowed by both the Chinese Academy of Sciences and the Ministry of Education of China. USTC is widely recognized for its tradition on always placing its researchers and students first, and enormous freedom in choosing research subjects and directions. Small as it is (approx. 1100 faculty members), USTC encompasses a great number of internationally visible scientists covering most frontier areas in science and engineering. Numerous USTC alumni have become world-renowned scientists and entrepreneurs.

**Academic Disciplines and Positions:**

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.

Full-time positions include full professor/associate professor, assistant professor, and post-doctoral researcher. Candidates with remarkably strong academic backgrounds are encouraged to apply for professorship of the recruitment programs. Part-time positions are available for world-class scholars, who will use their sabbatical time to undertake research at USTC.

**Recruitment Programs:**

**1000Plan Professorship for Chinese Experts (Full Time)**

Applicants should be Chinese scholars under the age of 55
- professors or in equivalent positions in world-renowned research institutions

**1000Plan Professorship for Non-Chinese Experts (Full Time)**

Applicants should be non-Chinese scholars under the age of 65
- professors or in equivalent positions in world-renowned research institutions

**1000Plan Professorship (Part Time)**

Applicants should be chair professors or in equivalent positions in world-renowned research institutions at present
- able to spend no less than two months in USTC each year during the term of appointment

**1000Plan Professorship for Young Talents (Full-time)**

Applicants should be young scholars under the age of 40
- have a doctoral degree obtained in a world-renowned university
- have no less than three years of post-doctoral research experience (Exemptions on work experience may be applied to those who have made distinguished research achievements in their doctoral studies)

**Support, Salary and Benefits:**

The USTC is featured with and proud of its highly collegial, interactive, and supportive environment for researchers. Besides, it offers competitive salary, benefits and start-up package among all the “C9 League” universities of China. The benefits include spacious housing, subsidized faculty dining, premium medical services, etc. Professors of the recruitment programs may receive supplementary remuneration, as well as assistance on 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. Please visit the USTC Talent Recruitment and Services website for more details: [http://employment.ustc.edu.cn/en](http://employment.ustc.edu.cn/en).

**Contact Us:**

Qualified applicants are invited to email the job intention letter and CV to: [job@ustc.edu.cn](mailto:job@ustc.edu.cn).

**Mailing Address:**

Talents Recruitment & Services Office,
University of Science and Technology of China
96 Jinzhai Road, Hefei, P.R. China
Zip Code: 230026
Telephone: +86-551-3607769
Fax: +86-551-3637049
State Key Laboratory of Reproductive Biology

Founded in 1991, the State Key Laboratory of Reproductive Biology (SKLRB) at the Institute of Zoology, Chinese Academy of Sciences (CAS) has pioneered the research and training of young generation scientists in the field of reproductive biology. Leading scientists work together to create a center of excellence in the companion fields of reproductive biology and stem cell research. The mission of SKLRB is to advance the science in these fields and foster the translation of fundamental discovery into practical applications of the relevant technologies. Scientists from multiple disciplines interact, collaborate and share expertise and resources, supported by efficient and comprehensive institutional administration. The SKLRB also benefits from its close collaboration with the Beijing Institutes of Life Science, located at the beautiful Campus of Beijing Olympic Park.

Research Directions:
Currently, SKLRB is committed to basic science and translational medicine in reproductive and stem cell biology in the following areas: 1) Fate Specification of Germline Stem Cells, 2) Meiosis and Gametogenesis, 3) Fertilization, 4) Embryo Development and Implantation, 5) Placental Development and Diseases, and 6) Stem Cell Research and Regenerative Medicine. We encourage innovative and challenging projects, extensive collaborations, and long-term research initiatives.

Positions:
Full-time PROFESSOR positions are available in, but not limited to, the following directions: 1) Meiosis and Cell Cycle Regulation, 2) Developmental and Reproductive Immunology, and 3) Stem Cell Biology and Regenerative Medicine.

Qualification and Responsibilities:
Applicants must have a doctoral degree, strong academic background with strong publication records, and excellent communication skills. The successful candidate will serve as an independent group leader.

Salaries and Benefits:
A generous starting package will be offered based on the applicant’s qualification and experience, including salary and benefits, housing, and competitive start-up research funds. Candidates with remarkably strong academic backgrounds are encouraged to apply for the fellowship supported by “CAS Hundred Talents Program”, “National Thousand Young Talents Program” or “National Thousand Talents Program”, respectively, through the SKLRB.

Application Materials:
Please submit your application materials in one package with 1) a cover letter, including your research achievements and future research plan, 2) a curriculum vitae, and 3) contact information of three references to Dr. Qi Zhou (1-5 Beichen West Road, Chaoyang District, Beijing 100101, P. R. China. Email: qzhou@ioz.ac.cn; Telephone: +86-10-64807312).
State Key Laboratory of Reproductive Medicine

Established in 2011 in Nanjing, Jiangsu province, China, on the campus of Nanjing Medical University, the State Key Laboratory of Reproductive Medicine (SKLRM) is a Chinese Ministry of Science and Technology designated national center for research on reproductive medicine. The mission of SKLRM is to integrate outstanding research in both basic and clinical reproductive sciences and to improve reproductive health and life quality of Chinese population. With strong support from both central and local governments, favorable administrative policies from the University, SKLRM is becoming a leading center in reproductive medicine research, with state-of-art research facility, advanced research platforms, and a fast-expanding research team. To further the development towards a world-class center in reproductive medicine, SKLRM seeks application for multiple faculty positions at ranks ranging from associate professor, full professor to a special rank of full professorship sponsored by China “National Thousand Talents Program”.

Research Directions:
Research at SKLRM is centered on key problems of human reproductive health. The major research area are: 1) mechanisms underlying defective gametogenesis; 2) effects of environment-gene interaction on gametogenesis; 3) assisted reproductive technologies (ART) and the health of ART offspring; 4) molecular mechanisms of reproduction-related diseases (e.g., reproductive system cancer, birth defects, metabolic disorders, and reproductive abnormalities); 5) reproductive hormone control of the target organs. More information about SKLRM and its associated faculty can be found at: http://reprod.njmu.edu.cn/keylab/.

Positions:
Multiple full-time positions at ranks ranging from associate to full professorship, and positions of a special professorship sponsored by China “National Thousand Talents Program” are open.

Qualification and Responsibilities:
Applicants must have a Ph.D, M.D, or equivalent degree, good communication skills, extensive research training and experience in the relevant disciplines, in addition to an excellent publication record. Faculty at SKLRM is expected to develop a vigorous research program, to obtain grant funding, and to train graduate students with a minimum teaching requirement.

Salaries and Benefits:
A generous starting package will be provided which includes research starting fund, and subsidies for housing and relocation. Salary and other benefits are commensurate with qualifications and experience.

Application Materials:
To apply, please submit a complete CV, a Cover Letter and 3 representative publications to Professors Jiahao Sha (shajh@njmu.edu.cn) or Ran Huo (huoran@njmu.edu.cn) by e-mail. Or mail your application package to the following address: Xianzhi Builiding Room 708, Nanjing Medical University, 140 Hanzhong Road, Nanjing 210009, P.R. China. Applicants are also required to arrange for two letters of recommendation to be sent directly to the above addresses. Person to contact: Professor Ran Huo, Telephone: 86-025-86862038.
Focus on China

The numbers speak for themselves. In figures released during this year’s annual National People’s Congress (NPC), China announced in a draft budget that it would put aside 32.45 billion yuan (US$5.14 billion) for basic research in 2012—a 26% rise from the previous year. Government spending overall on science and technology is due to rise 12.4% to 228.54 billion yuan (US$36.23 billion). China is now the world’s second leading producer of research. Only the United States beats China in the volume of scientific papers published—and predictions show that it could overtake the United States by as early as 2013.

“Chinese science budgets are expanding, not static or declining like in many other major countries,” says Ben Bravery, founder of Kexue Communications, a Beijing-based science communications firm that acts as a bridge between China and the West, working with Chinese researchers, organizations, and educational institutes to transfer knowledge. “Universities and the Chinese Academy of Sciences (CAS) are playing a bigger part on the global stage, faculties are growing, and scientific output is growing too. CAS comprises around 80,000 people—that is enormous compared to other top scientific agencies. Scientists that emerged from the Cultural Revolution are beginning to retire and are making way for younger talent to rise through the ranks and also for overseas Chinese to return to researching in China.”

SCIENTIFIC CULTURE

China’s two leading cities, Beijing and Shanghai, are both hubs for scientific research. Yet they demonstrate significant differences in scientific culture.

Beijing, China’s capital, houses the country’s two top universities, Tsinghua University and Peking University (known colloquially as Beida). As the seat of the government, Beijing is the location chosen for many academic conferences, meetings, and grant reviews and is China’s political, cultural, and educational center. By contrast Shanghai, located in the Yangtze River delta, is China’s commercial and financial center. While Shanghai also contains many top institutions (including the renowned Fudan University), it is home to the lion’s share of the country’s biotechnology companies.

“Shanghai has traditionally had a greater commercial focus and I’d say it is natural that this has spread to modes of scientific inquiry and their outputs,” comments Kexue Communications’ Bravery. “Beijing is home to the two most well-respected universities and also houses the majority of the CAS. The vast majority of national institutes, academy bodies, and key research centers are located in Beijing. The CAS does an enormous amount of pure and basic research, and so naturally, most of this takes place in Beijing.”

Despite this, Bravery states that the biggest difference between the two hubs comes down to lifestyle. Both cities are vast metropolises but they offer a very different living experience. While the northern capital suffers from pollution issues and traffic jams, it is considered more “Chinese” and is renowned for its music, art, performance arts, and historical heritage. Shanghai, by contrast, is a “softer,” more international experience, with a larger expat community, a myriad of international restaurants, and an emphasis on fashion, finance, and technology. As the mainland’s most globalized city, Shanghai is a place where many foreigners feel more at home.

CULTURAL CHALLENGES

Zhu is not the only scientist to have given up high-profile opportunities elsewhere in favor of a career in China. Before arriving in China, British-Iranian infectious diseases specialist Babak Javid was offered a faculty position at a top British university. Javid, who did his B.A., Ph.D., and M.B. B.Chir. at Cambridge in the United Kingdom and was a visiting scientist at the Harvard School of Public Health, turned down the offer. Instead, he took up a post as a professor at the Tsinghua University School of Medicine in Beijing (he remains a visiting senior fellow at Cambridge) and became the first non-Chinese member of the faculty. (A second international faculty member, a Spanish biologist, is arriving in September.)

Javid signed up for a six-year tenure-track position and moved to China with his wife and small daughter in 2012. He was attracted by startup grant funding that was by far the most generous he received (well in excess of US$1 million over five years) and the intellectual and cultural stimulation of working in a different environment.

“For some time as a family we’ve been thinking about doing something different,” says Javid. “My wife is very mobile continued>
Hiring Professors at All Ranks at South University of Science and Technology (SUSTC) Shenzhen, China

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

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

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

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

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

Send nominations, inquiries and applications to: [hiring@sustc.edu.cn](mailto:hiring@sustc.edu.cn). All applications should include a CV and a detailed list of publications. **Those interested in cluster hiring should send CVs and publication lists as a group.** Evaluations will commence immediately and appointments will be made on a continuous basis. Additional information on SUSTC is available on the University homepage [http://www.sustc.edu.cn](http://www.sustc.edu.cn) and [http://english.sina.com/china/2012/0902/502496.html](http://english.sina.com/china/2012/0902/502496.html).
Focus on China

(a piano teacher), but I didn’t want to compromise my scientific career. I saw an ad for a job here. And on a whim I spoke to my wife about it. She said: “This is it, this is what we need to be doing.” China, Javid enthuses, is a “hugely exciting place to be—that’s part of the draw. You can’t come here without a sense of adventure.”

Despite this, the challenges are myriad. In Beijing, where the architecture is mostly traditional Chinese and Stalinist Soviet, a crucial criterion for Javid was to find a home with a Western-style kitchen and bathroom for his family. Language is also a challenge. Javid’s lab personnel speak English, but as a non-Chinese speaker he needs help from local intermediaries for day-to-day tasks such as writing grants for government funds and ordering DNA for sequencing.

Cultural differences are apparent from small inconveniences (there is no distilled water on tap in Tsinghua’s labs) to larger attitudes. Science in China is rigidly hierarchal: positions of authority are lionized and lab members are treated as employees who are expected to do long hours. “Something I really struggle with is showing my students that spending 24 hours in a lab is not efficient or useful,” says Javid, who adds that students often need more “hands-on” than their Western counterparts.

“Don’t think China is America with slightly different food— it’s not,” he warns. “Take the challenges and maximize the opportunities, otherwise you are going to get frustrated.”

GROWING PAINS

Despite these two cities demonstrating rapid growth, the science sector in China is racked with growing pains. Bigger does not necessarily translate as better. The explosion of the number of scientific papers published is one example. Pressure to produce papers has led to plagiarism and faking of data in some cases. (In 2009 the UK-based journal Acta Crystallographica Section E was forced to retract dozens of papers by Chinese scientists who had used falsified data, many of which were produced in Chinese universities.) Quality is often considered second to quantity.

The system for evaluating scientific research is to blame, says Chen Xiaoya, president of the Shanghai Institutes for Biological Sciences (SIBS). “The evaluating system has too much pressure—there is too much emphasis on the number of publications [and in which journal you publish the paper],” he explains.

Chen cites grant applications as another cause for concern, stating that too many resources go to a small number of good scientists. “On the one hand this is good; on the other hand this may also hurt those scientists who receive too much budget. Too much budget for young scientists will lead them to do too many things and not focus. We also need more transparency. Since the government is increasing funding, how [should they] distribute it?” he asks.

Another problem is that in many areas of life science, the research and postdoctoral salaries in America and Europe are higher than those in China. “But changes are also happening,” says Chen. “For instance, SIBS is making efforts to raise postdoc salaries and has established postdoc scholarships for partnering with international pharmaceutical corporations to encourage research excellence of postdocs at SIBS. And with China’s favorable policies for attracting talent, more and more Chinese scientists have returned.” —Chen Xiaoya

GRROWTH OF BIOTECH

Shanghai and Beijing are both strong contenders in the biotech industry. “My impression is that at this particular juncture, there is more drug development going on within companies in Shanghai than Beijing,” says Rahim Rezaie, a research fellow at the University of Toronto. But he adds: “The biotech/pharmaceutical industry is highly globalized and these geographic distinctions are becoming less significant over time.”

Zhao Ruilin spent 10 years in the United States where he earned a Ph.D. in medical engineering and medical physics from the Harvard-MIT Division of Health Sciences and Technology and an MBA degree from the Wharton Business School. The Chinese-born scientist became head of business development of Life Technologies Greater China in 2012. “I always say the major reason I came back is a great, great opportunity,” says Zhao, speaking from Life Technologies’ Shanghai office.

The Chinese biotech industry is growing at a rapid pace. Areas such as health care, biofuel, epidemic control, continued>
Head back to China now with Life Technologies.

A lot has happened since you’ve been away. Your mother turned 70. Your sister graduated from college. Your nephew took his first steps. Your China has transformed from a third-world country to a world-class economy. And Life Technologies, the world’s most innovative biotechnology company, formed from the merger of Applied Biosystems and Invitrogen, is growing fast in China. So now there’s no reason to keep missing out on the chance to be closer to your family and to be part of a team that makes science easier and life better everyday.

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biological agriculture, biological energy, and food safety have become top priorities for leadership as China’s middle class balloons. As part of its innovation drive, the government is focusing funds on encouraging applied research and pioneering new therapies. In 2010, the value of Chinese biological output surpassed 1.5 trillion yuan (US$236.8 billion), according to the Ministry of Science and Technology.

“There has been tremendous growth in R&D infrastructure in China in recent years, much of it financed from government sources,” says Rezaie, who is a coauthor of a 2008 study titled “Chinese Health Biotech and the Billion-Patient Market.” “Over the past few years, most major multinational companies have increased their investments in the sector substantially and are increasingly engaged in R&D activities. Those have not been prevalent in China until recent years. The sector that I see as most exciting is research and discovery, broadly innovation type of jobs.”

Discoveries and development activities in biotech tend to be fairly similar across the globe, says Rezaie. Yet China offers a unique workplace and career opportunities for biotech scientists.

“One difference is that there are certain things you can do in China that you can’t in major industrialized countries,” he explains. Examples include gene technology, where regulations in China are not as stringent as in the United States. China has made crucial breakthroughs in the field, including creating the world’s first commercialized gene therapy product, Gendicine. The modernization of traditional Chinese medicine is another growing field in biotech that is distinctive to China.

Opportunities are myriad. Life Technologies is an example of one multinational company which is expanding rapidly in China. Life Technologies operates in Beijing, Shanghai, Guangzhou, Hong Kong, and Taiwan and today has nearly 1,000 employees in Greater China. In 2011, Life Technologies Greater China grew its revenue by double digits and hired over 300 new staff. This year, they are planning to hire another 200.

“If you want to have a real understanding of one of the world’s most important markets, arguably the most important in five to 10 years, you should come to China,” says Siddhartha Kadia, president of Life Technologies Greater China. “This is the market in life sciences and health care that is going to grow the fastest, more than any other country in the world. Does that mean things are easy? No.”

Kadia emphasizes that employees who come from training or previous careers abroad can find fitting into a Chinese business environment difficult. “My observations have been that if somebody comes here expecting a very similar approach to work, that could be quite challenging,” he says. “You have to be a problem solver, but in a very different way, to work here. In many ways, government regulations are actually still in the state of definition, so it’s a great opportunity for some to shape the landscape, but for others it could be very confusing. You need to be more open minded.”

Zhao agrees. One of the largest challenges for the scientist was negotiating the business landscape in China. “I think there are always some differences in terms of culture and how to get business done—the same thing can be said in the same way and carry different meanings. Even if I was born in this country!” he states. Despite this, he says, it is worth it. “It’s an explosive opportunity that I wouldn’t be able to get in the United States.”

Clarissa Sebag-Montefiore is a freelance writer based in Beijing, China.
Recruitment of Global Talents
Nanjing University

A key comprehensive university dating from 1902 in China under the direct supervision of the Ministry of Education, NJU was among the first group of universities in the "Project 211" and "Project 985". NJU boasts a highly qualified and experienced team of faculty. Among the more than two thousand faculty members of NJU, there are 32 Academicians of the Chinese Academy of Sciences and Engineering, 89 professors of "Chang Jiang Scholars Program of the Ministry of Education", 85 National Outstanding Youth Fund winners, and 10 national distinguished teachers.

NJU has a broad and balanced range of academic disciplines covering natural science, humanity, engineering, and medicine. It has won 1 first-class award and 16 second-class awards in the National Natural Science Award since 2000, ranking top in China. According to statistics in 2009, NJU's Physics, Astronomy, and Atmospheric Science ranked No. 1 nationwide; 17 disciplines including Philosophy, Economics, Sociology, and Foreign Languages and Literature ranked No. 5 nationwide; Chemistry, Physics, Material Science, Earth science, Biology and Biochemistry, Clinical Medicine, Engineering, Environmental Science and Ecology, Pharmacology and Toxicology, Animal and Botany, and Mathematics ranked top 1% worldwide.

Recruitment Programs

NJU nowadays invites outstanding scholars of all nationalities for "Thousand Young Talents Program (Full-time/Part-time)", "Thousand Non-Chinese Talents Program", "Thousand Young Talents Program", "Chang Jiang Scholars Program of the Ministry of Education (Distinguished Professors/Chair Professors)", and "Deng Feng Scholars Program".

Thousand Young Talents Program (Full time/Part time)

Full-time Positions:
This program aims at recruiting world-class scholars (under 55 years old if in a field of natural sciences, and under 60 in a field of humanities and social sciences) as full-time Professors at NJU.
Applicants should have worked either as professors or in equivalent positions in world-renowned universities or research institutes. Successful applicants should spend at least 9 months each year undertaking research at NJU during the term of appointment.

Part-time Positions:
This program aims at recruiting world-class scholars (under 55 years old if in a field of natural sciences, and under 60 in a field of humanities and social sciences) as part-time Professors in NJU. Applicants should work either as professors or in equivalent positions in world-renowned universities or research institutes. Successful applicants should spend at least 3 months each year undertaking research at NJU during the term of appointment.

Thousand Non-Chinese Talents Program

This program is designed for world-class scholars of non-Chinese ethnicity under the age of 65. Applicants should work either as professors or in equivalent positions in world-renowned universities or research institutes.

Thousand Young Talents Program

This is one type of "Thousand Talents Program" especially for young scholars under the age of 40. Three plus years of overseas post-doctoral research experience is required if the doctoral degree was awarded overseas, while five plus years required if degree obtained in Mainland China. Special offers are granted to those who have made distinguished research.

Chang Jiang Scholars Program of Ministry of Education of China

(Distinguished and Professors/Chair Professors)

Distinguished Professors:
The applicant should be under 45 years old if in a field of natural sciences, and under 55 in a field of humanities and social sciences. Applicants should have worked either as associate professors or in equivalent positions in world-renowned universities or research institutes.

Chair Professors:
Applicants should have worked either as professors or in equivalent positions in world-renowned universities or research institutes. Successful applicants should spend at least 2 months each year undertaking research at NJU during the term of appointment.

Deng Feng Scholars Program (Type A/Type B)

NJU invites applicants for "Deng Feng Scholars Program" positions in the field of Sciences, technology, medicine, social sciences, art, and humanity. We particularly welcome creative and energetic individuals with strong backgrounds in all of those fields.

Type A:
Applicants in world-renowned universities or research institutes overseas should have worked either as associate professors or in equivalent positions. Applicants in world-renowned universities research institutes in Mainland China should have worked either as professors or in equivalent positions.

Type B:
Applicants should be Chinese scholars under the age of 40. Applicants in world-renowned universities or research institutes overseas should have research experience after obtaining a doctoral or post-doctoral degree. Applicants in world-renowned universities research institutes in Mainland China should have worked either as professors or in equivalent positions.

Salary, Benefits and Start-up Package

NJU offers outstanding scientific resources, abundant start-up funding, competitive salary and living conditions. The benefits include generous housing allowance, medical services at state expense, etc. The start-up package includes adequate start-up funds, newly renovated office, ample laboratory space, and plenty of research assistants. Professors of the specially listed programs may receive supplementary remuneration, as well as assistance on the establishment of a dedicated research team. The positions also offer the opportunity for young scholars to undertake research and studies at the international famous university.

Contact Us

The application period is not limited.

Qualified applicants are invited to apply on line at: http://rczp.nju.edu.cn/ or send a job intention letter and a curriculum vitae to: reh@nju.edu.cn

Links:

Nanjing University: http://www.nju.edu.cn/
NJU Talents Affairs Office: http://pd.nju.edu.cn/
Address: 22 Hankou Road, Nanjing, Jiangsu, China 210093
Persons to Contact: LIU Hao, ZHOU Wei, JI Yulan, YU Chunhong
Telephone: +86-25-83686783 / 89686783
Fax: +86-25-83307923
Wenzhou University Seeks for Academic Leaders and Discipline Backbones

Wenzhou University (WZU) locates in the coastal city of Wenzhou, Zhejiang Province, Mainland China. Besides 50 undergraduate specialties, WZU has 6 master's degree authorization level disciplines and 36 master's degree authorization disciplines.

WZU now seeks for outstanding scholars and technicians in the following and relevant fields:

- Physics, Operational Research and Cybernetics, Applied Mathematics, Numerical Mathematics;
- Organic Chemistry, Inorganic Chemistry, Material Science;
- Electrical Engineering, Electronics Science and Technology, Communication Engineering, Computer Science and Technology;
- Ecology, Biological Chemistry and Molecular Biology, Environmental Engineering;
- Materials for Civil Engineering, Construction Engineering, Built Environment, Road and Bridge Engineering, Geotechnical Engineering;
- Finance, Financial Engineering.

Qualifications
Applicants should hold a Doctoral degree in above-mentioned fields with evidence of prominent researches and leading achievements.

Or, the candidates should demonstrate their experience of leadership, such as an associate professor (or equivalent/ higher) position in well-known universities or institutes, or technical professionals of operation and management in international enterprises or institutions.

Remuneration and Benefits
Candidates meeting the requirements of (or those equivalent to) China’s State “Thousand Talents Project” or Zhejiang’s Provincial “Thousand Talents Project” will be paid about RMB 1 million or RMB 0.5 million per year. Outstanding doctors: about RMB 100 thousand per year.

WZU respects the individuals and encourages diverse developments, strives to provide even better research platforms and create free and fair academic environments for all the researchers. All successful applicants will be provided with accommodation (or subsidy for accommodation), settling-in allowance, scientific start-up funds, and corresponding facilities.

All the above are negotiable.

Interested persons are welcomed to send application materials to ecbo@wzu.edu.cn. For enquiries, please feel free to send emails or call 86-577-86595080.

OPEN FACULTY POSITIONS
INSTITUTE OF MOLECULAR BIOLOGY
ACADEMIA SINICA, TAIWAN, ROC

One tenure-track faculty position is open for a highly qualified individual to establish independent research programs in the areas of cell imaging and systems biology. Outstanding candidates in other areas of molecular and cellular biology will also be considered. Applicants should hold a Ph.D. degree or its equivalent, and postdoctoral research experience is preferred. The successful recruit will be appointed at the levels of Assistant, Associate, or Full Research Fellows (equivalent to academic ranks of Assistant, Associate and Full Professors at universities), and receive a generous multi-year start-up package, followed by annual intramural support.

The Institute of Molecular Biology at Academia Sinica (http://www.imb.sinica.edu.tw/en) provides an active and stimulating research environment, is well supported by both extramural and long-term intramural funding, and features several core facilities (imaging, microarray, Next Generation Sequencing, RNAi, electrophysiology, FACS, bioinformatics and mouse facilities) that provide state-of-the-art resources and key technical expertise to the Institute’s research community. Recent research works were published in top journals such as Science, Nature, and Cell. Currently three Ph.D. programs, with one recruiting international students, are formally affiliated with the Institute. English is the official language for regular seminars and most of the lectures at the Institute, and proficiency in Chinese language is not a prerequisite for application.

Applicants should send their Curriculum Vitae, a description of past research accomplishments and future research plans, and arrange for three letters of recommendation to be sent directly to:

Dr. Meng-Chao Yao, Director
e/o Ms. Vivi Chiang
Institute of Molecular Biology,
Academia Sinica
Taipei, Taiwan 11529, ROC

The selection process will start on December 31, 2012 until the position is filled. Further information can be obtained from Ms. Vivi Chiang at vivi@imb.sinica.edu.tw

Faculty Positions in Institute of Botany,
Chinese Academy of Sciences

The Institute of Botany, Chinese Academy of Sciences, is a national research institution dedicated to a wide spectrum of researches in plant ecology and evolution, molecular and cellular biology, and sustainable utilization of plant resources. The Institute invites outstanding scientists to apply for Associate and Full Professor positions in the following areas:

- Plant taxonomy
- Biodiversity
- Grassland and pasture management
- Cell development and physiology
- Photosynthesis
- Plant resources
- Plant signal transduction and epigenetics
- Other fields of integrative botany

Successful candidates are expected to develop vigorous research programs and lead an independent research team. The institute will provide competitive start-up packages, annual operating budget, attractive salary, and housing benefits. A curriculum vitae, a summary of research accomplishments, a list of all publications and five selected full papers, a brief description of future plans, and three letters of reference should be sent to: Ms. Wenjuan Zhang (email: zhangwenjuan@ibcas.ac.cn, tel:86-10-62836602). Screening of applications will begin on October 1st 2012 and continue until the positions are filled.

UJS: With a history of 110 years, Jiangsu University is a comprehensive university especially with its strength in engineering. Its research fields cover at least 10 primary academic categories that include engineering, nature science, medicine, management, economics, law, literature, philosophy, pedagogy, and art. Currently, it also holds 8 post-doctoral research stations, 9 major academic categories with a variety of disciplines for doctoral degrees that offer 42 Ph.D. programs. In addition, it also holds two national key academic disciplines and one additional discipline as a candidate under cultivation, as well as 3 province leading disciplines. We intend to recruit outstanding talents to join UJS.

All positions are available for Distinguished Professor, Leading Professor, Full Professor, Associate Professor, and Assistant Professor, which can also be the candidate for the talent programs such as Global Experts program, Changjiang Scholar Program, Distinguished Professor of Jiangsu Province, High-level Innovation Talents and Innovation Team Leader of Jiangsu Province. A successful candidate should hold a Ph.D. degree and an international recognized research record.

The University offers competitive salaries, fringe benefits including medical/dental insurance, retirement and housing subsidy. The positions are available now. Reviewing of application materials will begin on the 15th October and will be continue until positions are full.

To know more about the related disciplines and positions, please visit: http://www.uj.edu.cn/pub/xiaonei/rczp

Contact: Phone: Mr. Shao +86-511-88789569 or Mr. Feng +86-511-88789658. E-mail: hr@ujs.edu.cn

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Jiangsu Academy of Agricultural Sciences

Open position as Deputy Director and Full Professor in the Institute of Agricultural Facility and Equipment

Jiangsu Academy of Agricultural Sciences (JAAS) is a professional agricultural research and extension institution that has been established since 1932. JAAS ranks at the top of provincial agricultural academies in China in terms of the comprehensive strength in agriculture. JAAS's headquarter and main research facilities are located in Nanjing, Jiangsu, China.

Currently, JAAS is seeking a deputy director with the rank of full professor in the area of agricultural facility and equipment researches. Applicant should have a commitment to scientific excellence and the enthusiasm, energy, and innovative thinking necessary to lead a dynamic institute with a broad and diverse portfolio. Applicant must possess a faculty position already beyond the assistant professor level in a university or the equivalent position in a research institution. In addition, the candidate should demonstrate excellent records of research accomplishment and has a command of bilingual language for English and Chinese, both in spoken and written.

Successful applicant will be offered a competitive package, including sufficient laboratory space, startup funding, relocation fee and competitive salary commensurate with experience, in addition to a housing allowance, and other employee benefits. Applicant can go to www.jaas.ac.cn for application details.

In addition, more information for other regular faculty positions from JAAS relevant to a variety of disciplines in agriculture is also available at www.jaas.ac.cn.

Contact information

E-mail: rse-gbk@jaas.ac.cn; Tel: 086-25-84390037

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Soochow University Center for Circadian Clocks

Multiple faculty positions in the broad areas of chronobiology at Assistant/Associate/Full Professor level are available in Soochow University Center for Circadian Clocks (SUCC) in Suzhou, China.

We are seeking outstanding scholars who use fruit fly, zebrafish, mouse or human to investigate molecular genetic mechanisms underlying circadian regulation, or study regulatory roles of circadian clocks in development, reproduction, metabolism, sleep, behaviors, immune responses or tumorigenesis. We are particularly interested in individuals who study systems biology or epigenetics (including miRNAs) of circadian clocks or employing high-throughput approaches to screen small molecules that affect circadian clocks.

Successful candidates should have a Ph.D. with at least 3-year postdoctoral research experience. Applicants should have high-quality publications, and have the ability to develop and maintain an externally funded research program. Competitive relocation and salary packages, generous start-up funds, and spacious lab space will be provided. Suzhou is one of the most livable cities with deep culture heritage and glaringly modern flavor in the world.

Interested individuals should send a cover letter, an updated CV, a statement of research accomplishments/interests, future research plans, and a list of at least three references to Han Wang at wanghan@suda.edu.cn, Soochow University Center for Circadian Clocks, Soochow University, Lake Dushu campus, 199 Ren-Ai Road, Suzhou Industrial Park, Suzhou, Jiangsu 215123, China.
**FACULTY POSITION**

**Cell Biology Program**

The Cell Biology Program, Sloan-Kettering Institute (www.ski.edu) has initiated a search for tenure-track faculty members. We are interested in outstanding individuals who have the potential to develop an innovative, independent research program that complements and enhances our existing strengths.

Candidates with research interests in exciting areas of eukaryotic cell biology, including aspects of stem cell biology, and using a variety of experimental approaches and systems are encouraged to apply.

New faculty will be eligible to hold graduate school appointments in the Gerster Sloan-Kettering Graduate School of Biomedical Sciences, the Weill Cornell Graduate School of Medical Sciences of Cornell University, as well as the Tri-Institutional MD/PhD Training Program. Sloan-Kettering has an outstanding infrastructure as well as state-of-the-art core facilities resources, and we are expanding our research programs.

The deadline for applications is **November 1, 2012**. Interested candidates should visit [http://facultysearch.ski.edu](http://facultysearch.ski.edu) to access the on-line faculty application. Please visit the site as soon as possible, as it contains important information regarding the required application materials, including deadlines for submission of letters of reference. Informal inquiries may be sent to Tiffany Lennon at lenont@mskcc.org or Dr. Alan Hall, Chair, Cell Biology Program at halla@mskcc.org.

[facultysearch.ski.edu](http://facultysearch.ski.edu)

MSKCC is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply.

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**Faculty Positions**

The Center for Immunology and Microbial Disease at Albany Medical College invites applications for multiple tenure-track Assistant Professor, Associate Professor, and full Professor positions from individuals who have a doctoral degree, postdoctoral experience, and demonstrated research productivity. Applicants for a senior faculty position should have an internationally-recognized research program in microbiology and/or host-pathogen interactions. The basic science departments at Albany Medical College are organized as interdisciplinary research centers and the Center for Immunology and Microbial Disease has a focus on microbial pathogenesis and immune defense, particularly as related to bioterror agents and emerging infections. Our faculty comprises a highly collaborative research group that this year received $12.2M in NIH funding, ranking it within the top half of all Microbiology and Immunology programs in the country. The successful candidates will receive attractive start-up packages and will have an opportunity to lead a focus group in new laboratory space, with access to all departmental core facilities including the Center’s fully-staffed ABSL-3/BSL-3. We have established a close relationship with the New York State Department of Health Wadsworth Laboratories, providing a diverse environment that is rich in infectious disease expertise. Albany Medical College is located in a mid-sized city within the upstate New York Capital Region, and has easy access to Boston, New York City, and the Adirondack Mountains.

Applicants should send their curriculum vitae, a statement of research plans, and contact information for three references to:

**Faculty Search Committee**

Center for Immunology and Microbial Disease
Albany Medical College
47 New Scotland Avenue, MC-151
Albany, NY 12208

For further information about the Center, visit: [www.amc.edu/Research/imd](http://www.amc.edu/Research/imd)

An Equal Opportunity/Affirmative Action Employer: Women and minorities are encouraged to apply.

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**KOREA UNIVERSITY**

**Faculty Openings**

Korea University, in Seoul, South Korea, seeks candidates to join the faculty in the spring semester of 2013 beginning March 1. We are recruiting enthusiastic, well-trained scholars who wish to refine their teaching experience and research in this part of the world. Korea University, founded in 1905, is ranked one of the top universities in Korea by major global assessment reports. The positions available for the candidates are assistant, associate, or full professors (a two or three year tenure track appointment, OR non-tenure track appointment). All candidates are expected to have ample university-level teaching experience, a strong commitment to excellence in scholarship, and dedication to teaching and research in their fields.

**[Online Application]** - Applicants are asked to submit their applications electronically by using the website at [http://koreaex.korea.ac.kr/faculty](http://koreaex.korea.ac.kr/faculty)

**[Point of Contact]** - Phone: +82-2-3220-1072
- Fax: +82-2-929-9164
- E-mail: faculty@korea.ac.kr

Korea University is an Equal Opportunity/Affirmative Action Employer.
We’re improving agricultural sustainability through our innovations*

R&D is at the heart of Syngenta which is in a strong growth phase. We are looking to recruit scientists from a broad variety of scientific disciplines including agronomy, biology, chemistry, biochemistry, breeding and genetics. Syngenta is also proud to be ranked among the Top Employers according to Science’s 2012 Top Biotech and Pharma Employers survey.

As global demand for food and fuel continues to rise, we are dedicated to our purpose: Brining plant potential to life. Syngenta is one of the world’s leading companies with more than 26,000 employees in over 90 countries. We work in a collaborative and inspiring culture where personal contribution is rewarded and growth and development are at the heart of our culture.

Through our world-class science, global reach and commitment to working with our customers, we help to increase crop quality and productivity, protect the environment and improve health and quality of life.

There’s never been a more important time to join Syngenta. Visit www.syngenta.com

*Our work matters
Assistant Professor
The McGovern Institute for Brain Research

The McGovern Institute’s general focus is in systems neuroscience with an emphasis on the neural basis of perception, cognition, and action. We are seeking a candidate with a research focus in any of these three areas, using human subjects and/or computational methods. We would regard it as a plus if the candidate’s work bridges levels using a variety of tools and/or the candidate were interested in translating basic research findings into new ideas for studying the pathophysiology or treatment of brain disorders. Successful applicants are expected to develop and lead independent, internationally competitive research programs and to share our commitment to undergraduate and graduate education by teaching courses and supervising graduate and undergraduate research.

The mission of the McGovern Institute is to understand the relationship of neuronal processes, circuits and computations to behavior, ultimately providing benefits to human health and welfare. Research in the McGovern Institute is expected to help people with brain disorders ranging from sensory system impairments to movement disorders and emotional and cognitive disorders. For more information on the McGovern Institute please visit our website at http://mcgovern.mit.edu

Applicants should submit a curriculum vitae, a summary of current and proposed research programs, a publication list, and should arrange for three letters of recommendation to be sent electronically via Academic Jobs Online (https://academicjobsonline.org/ajo/jobs/1884).

Consideration of applications will begin on November 1, 2012 and will continue until the position is filled.

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

http://web.mit.edu
ENDOWED SCHOLARS PROGRAM IN MEDICAL SCIENCE

Unique and highly competitive, THE ENDOWED SCHOLARS PROGRAM IN MEDICAL SCIENCE is designed to launch the next generation’s scientific leaders on their biomedical research careers by providing seed money, research space and startup support for groundbreaking projects. The Endowed Scholars Program gives early-career investigators the chance to take risks, supported by the mentoring of experienced and highly distinguished established researchers at The University of Texas Southwestern Medical Center at Dallas.

As one of the foremost research institutions in the world, UT Southwestern, with four Nobel Prizes awarded to its faculty since 1985 and 18 members of the National Academy of Sciences, is poised to lead the way in a new era of scientific discovery in the 21st century. We conduct more than 3,500 research projects annually totaling more than $400 million. Endowed Scholars have access to exceptional core facilities, which include DNA microarray services; electron microscopy; live-cell imaging; mouse gene knockouts, transgenesis and metabolic phenotyping; high-throughput chemical screening; and structural biology. UT Southwestern also is home to one of the nation's first 7-Tesla magnetic resonance imaging devices for human studies. UT Southwestern has a vibrant graduate school and nearly 4,400 medical, graduate and health professions students, residents and postdoctoral fellows.

The Endowed Scholars Program, which is fully funded from private endowment, provides more than $1,000,000 over four years to support the independent research activities, salary and benefits of each scholar. Up to five new scholars are selected each year from top universities, institutions and laboratories around the world. Each scholar is appointed as a tenure-track assistant professor in a UT Southwestern academic department or research center. Positions in both basic science and clinical departments are available.

Potential scholars submit nomination materials to a chair or director of one of UT Southwestern’s basic or clinical academic departments or research centers. Positions in both basic science and clinical departments are available.

For detailed information about nomination materials and currently available positions, please visit our Web page: utsouthwestern.edu/utsw/home/scholars

Applications from women and underrepresented minority candidates are strongly encouraged. UT Southwestern is an equal opportunity institution.

THE INSTITUTE FOR MOLECULAR ENGINEERING

New Faculty for a New Field

The University of Chicago has launched a unique, interdisciplinary Institute for Molecular Engineering (IME) with the aim of assembling a faculty to address some of the biggest technological challenges facing humanity in energy, environmental stewardship, health care, biotechnology, information, and communications. To tackle these problems and educate a new generation of engineers, the IME will hire faculty in areas spanning a range of expertise pertinent to engineering at the molecular level. An independent unit within the University, IME is also formally affiliated with Argonne National Laboratory. Joint appointments with Argonne or other UChicago units will be encouraged where appropriate.

Important areas for initial hires include:
- Materials synthesis, including organic, inorganic, and semiconductor materials
- Device fabrication and assembly at the micro- and nano-scales
- Quantum information engineering
- Imaging and other structural determination tools
- Biological and biomedical engineering, including synthetic and systems biology, bio-inspired materials, and regenerative medicine
- Medical diagnostics and therapeutics
- Computational engineering, including multi-scale modeling and prediction

Learn more at molecularengineering.uchicago.edu/science

The University of Chicago is an Equal Opportunity/Affirmative Action Employer.
FACULTY POSITION IN THE DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING AT DREXEL UNIVERSITY

The Department of Materials Science & Engineering at Drexel University (www.mse.drexel.edu) is seeking applications for a tenured/tenure-track faculty position. Of particular interest are candidates with a demonstrated record of excellence in original research in either:

1. soft and hybrid material design, synthesis, assembly, and function
2. electrochemistry with emphasis in energy storage.

A Ph.D. in Materials Science and Engineering or a closely related field is preferred.

The ideal applicant should also possess research interests in an emerging research area such as advanced energy technologies, biomaterials and devices, or environmental sustainability, and be able to contribute to building interdisciplinary, integrated research program focused in their area of expertise.

Applicants should submit a cover letter; a full curriculum vitae; statements of research and teaching plans; and names and contact information of three references online at http://www.mse.drexel.edu/faculty/positions/. If a female candidate is selected at the Assistant Professor level, she will be eligible for the Anne Stevens Assistant Professorship. The position is available immediately and applications will be considered until the position is filled.

Drexel University is an Equal Opportunity Employer and encourages applications from qualified women and minorities.

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STRUCTURAL BIOLOGY: BIOLOGICAL NMR SPECTROSCOPY

The Department of Chemistry and Biochemistry invites applications for a senior faculty member in the area of Biological NMR Spectroscopy. We are especially interested in applicants whose research programs will complement existing areas of strength at TTU, such as structure, function and dynamics of membrane proteins, biomolecules involved in cancer, and plant proteins. However, all qualified candidates are encouraged to apply. The successful candidate for this position will be part of a major new Structural Biology initiative at TTU that includes a commitment to the acquisition of 600 MHz and 800 MHz NMR instruments and hiring two additional biological NMR spectroscopy faculty. Evidence of a well-funded research program and a demonstrated commitment to excellence in teaching and service are essential. The successful applicant will be directly involved in the selection of the NMR equipment and in the selection of the two additional faculty to be hired at the assistant and/or associate professor level. The Department of Chemistry and Biochemistry is among the top academic units at Texas Tech University, in terms of research funding, publications and graduate education. Texas Tech University is classified as a doctoral research-extensive university by the Carnegie Foundation; it has an enrollment of more than 30,000 students, and is one of the major, state-supported, multidisciplinary universities of the Southwest. A School of Medicine is located on the main campus in Lubbock.

All applications must be submitted online. Online faculty application for requisition number 85807 can be found at http://jobs.texastech.edu. Applications must include the names of three references. Evaluation of applications will continue until the position is filled. For additional information, please contact the chair of the search committee, Dr. Joachim Weber, Department of Chemistry and Biochemistry, Texas Tech University, Box 41061, Lubbock, TX 79409-1061 (joachim.weber@ttu.edu).

Texas Tech University is an Affirmative Action/Equal Opportunity Employer, committed to excellence through diversity. Texas Tech welcomes applications from minorities, women, veterans, persons with disabilities, dual-career couples, and all qualified persons.

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LET’S SCALE UP THE POSSIBILITIES

Researcher Biodomain (Graduate/Entry Level), Houston, TX

Do you have a PhD in microbiology/biochemistry with a specific knowledge of larger scale microbe (bacteria and yeast) fermentation? Then we’d like you to help us pilot an exciting new project.

Joining our inhouse fermentation team, you’ll scale up our current lab-sized fermentation of different biofuel components to plant scale. You’ll need experience in scaling up yeast and/or bacterial fermentation and product extraction at the 10+litre scale (and, preferably, 100+ litre).

If you have the ability to think big and want to join a team of trusted and supportive colleagues, apply online at www.shell.us/phdcareers.

To be considered for this fulltime graduate role, you must apply for a Shell Recruitment Day.

Let's deliver better energy solutions together.

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**Position in Stem Cell Biology**

The Children’s Research Institute (CRI) at the University of Texas-Southwestern Medical Center in Dallas, TX seeks applications for a tenure-track faculty position in the area of stem cell biology. Outstanding investigators at any rank will be considered. Candidates must have a Ph.D., M.D. or equivalent degrees and the ability to direct an independently-funded research program exploring any aspect of stem cell biology.

The UT-Southwestern Medical Center has a long and distinguished history of excellence in disease-related basic science research. The CRI is a new institute recruiting outstanding individuals dedicated to solving fundamental problems in biology and disease. The CRI is a dynamic, stimulating, and highly collaborative scientific environment. Major areas of focus within the CRI will include stem cell biology, cancer biology, and metabolism.

Please submit a CV, a 2-page summary of past accomplishments and research plans, and ask three references to submit letters by November 1, 2012 to CRIApplicants@utsouthwestern.edu.

**UT Southwestern is an Equal Opportunity/ Affirmative Action Employer.**

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**Position in Integrative Biology at Dartmouth**

The Geisel School of Medicine at Dartmouth is seeking a senior Biostatistician, at the rank of Associate or Full Professor, to conduct innovative methodological and collaborative research, mentor faculty, and teach biostatistics within the Norris-Cotton Cancer Center and other academic units throughout the Geisel School. Under the newly named Geisel School, there is strengthened focus, and expanding faculty, in Bio-statistics at Dartmouth under the leadership of Dr. Chris Amos. Additionally, an innovative new Quantitative Biomedical Sciences graduate program commenced in the fall 2011 as the first of its kind in the country. There are currently eight full-time, and several part-time, statistical faculty members at the Geisel School, along with twenty-two master’s levels statistical analysts who are engaged actively in extramurally-funded statistical and biomedical research. Current interests of faculty in statistical methods include: clinical trials, measurement error methods, biomedical imaging, genomics and molecular epidemiology, survival analysis, multivariate models, spatial statistics in epidemiology, semi-parametric methods, longitudinal methods, diagnostic testing, optimal epidemiologic design, and prevention and therapeutic trials.

Founded in 1797, the Geisel School of Medicine at Dartmouth draws on the resources of Dartmouth College and Dartmouth-Hitchcock Medical Center for broad interdisciplinary programs in biomedical research, education, patient care and service. Located in rural New Hampshire, the region uniquely offers idyllic landscapes and recreation, along with outstanding schools and cultural activities.

Applicants should have a doctoral degree in biostatistics or statistics and have nationally and/or internationally recognized contributions to statistical methods, statistical education, and multidisciplinary collaborative research. In addition to significant experience in biostatistics, preferably with a translational or molecular-genetic focus, applicants should possess a track record of NIH research funding. Submissions should include a letter of intent, curriculum vitae, and names and contact information for three references. Review of applications will commence immediately and will continue until positions are filled.

**Salary Range:** Competitive

**Benefits:** Outstanding benefits package and faculty development support.

Applicant materials should be e-mailed or mailed to: Biostatistics Professor Search, The Geisel School of Medicine at Dartmouth, Attention: Crystal Flaherty, One Medical Center Drive, 7927 Rubin Building, Lebanon, New Hampshire 03756; Crystal.Flaherty@Dartmouth.edu. For more information on the Section of Biostatistics and Epidemiology: http://bio-epi.hitchcock.org. For more information on the Quantitative Biomedical Sciences graduate program: http://iqbs.org/.

The Geisel School of Medicine at Dartmouth is an Equal Opportunity and Affirmative Action Employer.

We welcome applications from, and will extend equal opportunity to, all individuals without regard for gender, race, religion, color, national origin, sexual orientation, age, disability, handicap or veteran status.

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**Assistant Professor**

The School of Integrative Biology and the Department of Plant Biology at the University of Illinois, Urbana-Champaign invite applications for a full-time, nine-month, tenure-track or tenured faculty position in integrative plant biology at the rank of Assistant, Associate or Full Professor. Target start date is 16 August 2013. We seek an outstanding ecologist who uses mathematical, statistical, numerical-modeling, or theoretical approaches to study ecosystem dynamics at community to global scales. Research areas of focus include, but are not limited to, ecological forecasting, biosphere-atmosphere interactions, and climate change. The successful candidate will be expected to develop an externally funded research program, teach at undergraduate and graduate levels, and collaborate with faculty to develop research and education initiatives in quantitative ecology and mathematical biology. She/he will have the opportunity to be part of dynamic and well-established communities of integrative biologists with interests spanning a wide range of taxa in the School of Integrative Biology, as well as in a number of interdisciplinary programs across the campus. A Ph.D. or equivalent is required. Postdoctoral experience is desirable for candidates at the assistant professor level. Associate and full professor candidates should present an established record of scholarly publications and demonstrate excellence in teaching. Salary and rank are commensurate with qualifications and experience.

To ensure full consideration, please create your candidate profile through http://go.illinois.edu/QuantitativeEcology and upload your application letter, curriculum vitae, summary of research and plans, teaching philosophy and experience, and contact information for three professional references by 21 October 2012. After a review of the research record, the search committee may then contact the applicant about soliciting letters of reference. Applicants may be interviewed before the closing date; however, no hiring decision will be made until that date. For further information contact Quantitative Ecology Search Chair, sib@life.illinois.edu.

Illinois is an Affirmative Action /Equal Opportunity Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusiveillinois.illinois.edu).

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**Assistant Professor**

The Geisel School of Medicine at Dartmouth is an Equal Opportunity Employer. Applications are invited for a tenure-track Assistant Professor position in either the Department of Biochemistry and Biophysics or the Department of Plant Pathology and Microbiology, depending on the credentials and professional goals of the successful candidate. This search will fill the fourth position authorized for expansion of the Center for Phage Technology (CPT), an interdisciplinary center established by the Texas A&M University System Board of Regents in 2010 and focused on translating basic science into emerging bacteriophage technologies. However, the search is not restricted to scientists with direct involvement in phage research. We seek an exceptional scientist committed to establishing a nationally-competitive research program. There is heightened interest for applicants with expertise synergistic with understanding phage biology and its applications, particularly in the areas of synthetic biology, biophysics, structural biology, and bacteria-plant interactions. Nevertheless, the excellence of the individual candidate will take precedence over the area of special interest. Competitive salary, start-up funds, laboratory space and access to instrumental cores will be provided. The successful candidate will have a doctoral degree in a relevant field and be expected to teach courses in relevant disciplines.

Please send a PDF file that contains a cover letter, CV, research summary (past, present, and planned), a teaching statement and contact information for three professional references to: cpt@tamu.edu. Applications received by October 30, 2012 will be guaranteed full consideration by the Search Committee, although review of applications will continue until the position is filled.

Equal Opportunity Employer.
FACULTY POSITION in Molecular Parasitology

The Department of Pharmacology at The University of Texas (U.T.) Southwestern Medical Center invites applications for tenure-track faculty positions at the level of ASSISTANT PROFESSOR in molecular parasitology, with a research emphasis on protozoal pathogens. We particularly encourage applications from those with backgrounds in studying the biology of the malaria, trypanosome (African and South American), leishmania and giardia parasites. The Department is strongly Research-oriented with major programs in Cell Signaling, Nuclear receptor signaling, Cell Cycle Regulation, Nuclear and Vesicular Trafficking, Cancer Biology, Chemical Biology and Parasite Biology. Parasite Biology is a growing interest within the department, and faculty within the department have established programs working on both protozoa and worm patho-
s. Scientists within the Department participate in a vibrant, interdepartmental, and highly collaborative research community within the University and enjoy unparalleled access to state-of-the-art research cores in the research community within the University and enjoy unparalleled access to state-of-the-art research cores in cellular imaging, high throughput screening, animal husbandry and metabolic phenotyping, X-ray crystallography and NMR spectroscopy, and protein small molecule mass spectrometry.

Competitive applicants must have a relevant Ph.D. or M.D. degree, postdoctoral training, and show evidence of firm commitment to an independent research career. Outstanding candidates will be eligible for a position in the Endowed Scholar program (website: http://www.utsouthwestern.edu/research/programs/endowed-scholars-program.html) or as a Cancer Preventive Research Institute of Texas (CPRIT) Scholar in Cancer Research (website: http://www.cprit.state.texas.us/im.png/uploads/000000061790112.png).

Please submit curriculum vitae, a concise description of research plans (three-page limit), and three letters of reference by November 15, 2012 to e-mail: rfxfacearc@ utsouthwestern.edu. Attention: Meg Phillips, Chair, Pharmacology Faculty Search Committee, U.T. Southwestern Medical Center, 5323 Harry Hines Blvd, Dallas, TX 75390-8816.

The University of Texas Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

DIRECTOR OF BIOINFORMATICS

Program in Molecular Medicine
University of Massachusetts Medical School

The Program in Molecular Medicine seeks an outstanding individual to provide bioinformatics support and collaboration to its faculty research laboratories. The Program consists of basic scientists and physician scientists representing a broad range of biomedical disciplines, and operates as an academic unit and three letters of reference by November 15, 2012 to e-mail: rfxfacearc@utsouthwestern.edu. Attention: Meg Phillips, Chair, Pharmacology Faculty Search Committee, U.T. Southwestern Medical Center, 5323 Harry Hines Blvd, Dallas, TX 75390-8816.

The University of Texas Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

MEDICAL ENTOMOLOGIST

Assistant Professor
University of Florida Florida Medical Entomology Laboratory

Institute of Food and Agricultural Sciences

The Florida Medical Entomology Laboratory (FMEL) invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level from outstanding scientists interested in the biology and ecology of blood-feeding arthropods and the pathogens they transmit. Experience in all levels of medical entomology including a knowledge of techniques used in other disciplines to analyze and interpret ecology, epidemiology, and the vector-pathogen-host interface is essential. Applicants should visit website: http://jnhall.ifas.ufl.edu for detailed information about the position and the FMEL website: http://ifti.ufl.edu to learn more about the laboratory. Review of applications will begin November 30, 2012 and continue until the position is filled.

The University of Florida is an Equal Opportunity Institution dedicated to building a broadly diverse and inclusive faculty and staff.

DIRECTOR, CHEMICAL AND BIOPHYSICAL Instrumentation Center

The Department of Chemistry at Yale University, New Haven, CT invites applications for the position of Director, Chemical and Biophysical Instrumentation Center to commence January 1, 2013. Reporting to the Lead Administrator for Chemistry and the Chair of the Instrument Committee, the Director is responsible for developing and maintaining a broad suite of instrumentation and financial management of the Chemical and Biophysical Instrumentation Center (CBIC), which encompasses a suite of NMR, X-ray crystallography, chemical and biophysical instrumentation. Applicants should apply online. A detailed position description, an application form, and instructions for submission of the application are available web page. Requisition #18688BR.

Yale University is an Equal Opportunity/Affirmative Action Employer and applications from women and underrepresented minority group members are especially encouraged to apply.

FACULTY POSITION in Pharmacology

The Department of Pharmacology at The University of Texas (U.T.) Southwestern Medical Center invites applications for tenure-track faculty position at the level of ASSISTANT PROFESSOR. We are particu-
larly interested in applications from those who wish to apply molecular mechanisms of biological processes, both in vitro and in vivo, to study various diseases, including cancer, obesity and diabetes, and parasitism. U.T. Southwestern provides a highly collaborative research com-

munity with unparalleled access to state-of-the-art research cores in cellular imaging, high throughput screening, animal husbandry and metabolic phenotyping, X-ray crystallography and NMR spectroscopy, and protein small molecule mass spectrometry.

Competitive applicants must have a relevant Ph.D. or M.D. degree, postdoctoral training, and show evidence of firm commitment to an independent research career. Outstanding candidates will be eligible for a position in the Endowed Scholar program (website: http://www.utsouthwestern.edu/research/programs/endowed-scholars-program.html) or as a Cancer Preventive Research Institute of Texas (CPRIT) Scholar in Cancer Research (website: http://www.cprit.state.texas.us/images/uploads/000000061790112.png).

Please submit curriculum vitae, a concise description of research plans (three-page limit), and three letters of reference by November 15, 2012 to e-mail: rfxfacearc@ utsouthwestern.edu. Attention: Meg Phillips, Chair, Pharmacology Faculty Search Committee, U.T. Southwestern Medical Center, 5323 Harry Hines Blvd, Dallas, TX 75390-8816.

The University of Texas Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

FACULTY POSITION in Ecological and Evolutionary Physiology

Department of Biological Sciences

The Department of Biological Sciences at Dartmouth seeks applicants for a tenure-track ASSIST-

ANT PROFESSORSHIP in physiology. We seek candidates who study physiological processes at the cellular or molecular level and who are using the tools of biochemistry, biophysics, engineering, mathematics, or computer modeling with the goal of understanding their evolutionary or ecological significance. Areas of interest include the physiology of adaptation, functional morphology, biomechanics, or comparative analyses of morphological, physiological, and functional diversity. Candidates who are taking empirical, theoretical, or statistical approaches to major questions in these areas in any biological system are welcome. The successful candidate will be expected to supervise an independent research program that will attract extramural funding, to provide research training for graduate and undergraduate students, and to teach physiology in the undergraduate curriculum.

Application materials should include curriculum vitae, representative publications, statements of research and teaching interests, and the names of at least three references. Please send materials electronically to e-mail: physiologist.search@cl oud.dartmouth.edu.

Application review will begin on October 10, 2012 and continue until the position is filled. For further information about the department and graduate programs, see website: http://www.dartmouth.edu/~biology/.

Dartmouth is an Equal Opportunity and Affirmative Action Employer. We welcome applications from and will extend equal opportunity to all individuals without regard for gender, religion, color, national origin, sexual orientation, age, disability, handicap, or veteran status.

TENURE-TRACK POSITION

Department of Chemical Engineering and Materials Science

University of California, Davis

Applications are invited for a faculty position at the ASSISTANT PROFESSOR level in chemical engi-

neering. All areas of expertise will be considered, and candidates with an interest in the area of catalysis are especially encouraged to apply. The candidate should have a strong research record with the potential and commitment to become a leader in the field. Commitment to undergraduate and graduate education is essential. A Ph.D. in chemical engineering or a related discipline is required. Consult website: http://chems. engineering.ucdavis.edu/ for our on-line application procedure and requirements. The position is open un-
til filled; but to assure full consideration, applications should be submitted no later than October 19, 2012, for a start date of July 1, 2013.

UC Davis is an Affirmative Action/Equal Opportunity Employer, and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities, and veterans.

MIDDLE TENNESSEE STATE UNIVERSITY

The Department of Biology at Middle Tennessee State University announces the positions of CELL BI-

OLOGIST and MICROBIOLOGIST. Application materials must be filed online at website: http://

mtsujobs.mtsu.edu and should include: cover letter, employment history, contact information, vita, statement of research interests, and statement of teaching philos-

ophy. See website: http://www.mtsu.edu/biology/ for more information about the department. Review of applications begins October 29, 2012. Equal Op-
pportunity/Affirmative Action Employer.
Faculty Position in the Gene Expression and Regulation Program at The Wistar Institute

The Wistar Institute, an independent, non-profit research institute with a primary focus on cancer research, is seeking an outstanding candidate with a doctoral degree or equivalent for a faculty position at the Assistant or Associate Professor level in the Gene Expression and Regulation Program. We are seeking a candidate to complement the Institute’s strength in epigenetic mechanisms in chromatin and transcription regulation. The successful candidate will use chemical, biochemical or genomic approaches within the biological context of diseases such as cancer and other age-associated disorders. Specific areas of interest include chromatin regulatory mechanisms, chemical biology, enzymology, structure/biophysics of higher-order chromatin, biological models of chromatin regulation, nuclear organization of transcription, and non-coding RNA regulatory mechanisms.

The Wistar Institute, an NCI-designated Cancer Center, offers highly competitive start-up support, salary and fringe benefits in addition to a superb and interactive research environment, including state-of-the-art core facilities with multiple laboratories that are increasingly emphasizing systems biology approaches to study basic biological processes, cancer and other human diseases. The Institute’s location on the University of Pennsylvania campus provides potential academic and clinical collaborators, as well as opportunities for training graduate students.

Applications will be reviewed as received and will be accepted until the position is filled. To ensure timely consideration, applicants should submit applications before October 31, 2012. The application should include a curriculum vitae, a brief summary of past and future research interests, history of research funding support (if applicable), and three letters of reference. Applications should be sent by e-mail to: Ronen Marmorstein, Search Committee Chair, c/o Maria Coletti (coletti@wistar.org), The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104. EOE/AA/M/F/D/V.

The Wistar Institute
An NCI-designated Cancer Center

For more information about us, visit our Web site at www.wistar.org

TENURE TRACK FACULTY POSITIONS
Physiology

The Department of Physiology at Wayne State University (WSU) School of Medicine invites applications for tenure-track Assistant/Associate Professor positions. Major areas of interest include cellular, molecular, and systems approaches to questions related to pathophysiology and developmental biology. Special consideration will be given to investigators who complement existing strengths of the Department (http://physiology.med.wayne.edu). One position will be offered jointly with the Department of Obstetrics and Gynecology as part of a research and graduate education program in Reproductive Sciences, based at the C.S. Mott Center for Human Growth and Development (http://mott.med.wayne.edu). For this joint position preference will be given to an individual with an active translational stem cell program.

Candidates are expected to establish active extramurally funded research programs and participate in teaching medical/graduate students. Start-up packages and salaries are highly competitive. Candidates must hold Ph.D. or M.D. or equivalent and apply with curriculum vitae, detailed research plan and names/contact information of three references to WSUPhysiologyFacultySearch@med.wayne.edu. Review of applications will begin after November 1, 2012 and continue until positions are filled.

WSU offers 350 academic programs through 14 schools and colleges to over 31,000 students in the Detroit Midtown area. WSU School of Medicine is a state-of-the-art research environment, and rated by the Carnegie Foundation in the top third of all U.S. Research Institutions. The Detroit Metro area is home to four million people and a hub to many of the nation’s high-tech industries.

WSU is an Equal Opportunity/Affirmative Action Employer.

The Children’s Research Institute (CRI) at the University of Texas-Southwestern Medical Center in Dallas, TX seeks applications for a tenure-track faculty position in the area of cancer biology. Outstanding investigators at any rank will be considered. Candidates must have a Ph.D., M.D. or equivalent degrees and the ability to direct an independently-funded research program exploring any aspect of cancer biology.

The UT-Southwestern Medical Center has a long and distinguished history of excellence in disease-related basic science research. The CRI is a new institute recruiting outstanding individuals dedicated to solving fundamental problems in biology and disease. The CRI is a dynamic, stimulating, and highly collaborative scientific environment. Major areas of focus within the CRI will include stem cell biology, cancer biology, and metabolism.

Please submit a CV, a 2-page summary of past accomplishments and research plans, and ask three references to submit letters by November 1, 2012 to CRIApplicants@utsouthwestern.edu.

UT Southwestern is an Equal Opportunity/ Affirmative Action Employer.
FACULTY POSITION – MICROBIOLOGY
University of Connecticut - Storrs
The Department of Molecular and Cell Biology at the University of Connecticut seeks applicants for a nine-month ASSISTANT PROFESSOR tenure-track position to begin August 23, 2013 (search #2013172). We are particularly interested in candidates working on microbiomes, host-microbe interactions or the ecology and evolution of microbial communities. For details on the position, qualifications, and application instructions please visit website: http://www.jobs.utc.edu. The University of Connecticut is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR POSITION in Epigenetics
at The University of Georgia
The Department of Genetics and the Department of Biochemistry and Molecular Biology at the University of Georgia (UGA) invite applications at the Assistant Professor level for a tenure-track position in epigenetics. Candidates may work in any area of animal epigenetics research. Candidates who are interested in applying their work to problems of obesity in connection with UGA’s Obesity Initiative are especially encouraged to apply.

The successful candidate will hold a Ph.D. or equivalent in a relevant field, have postdoctoral experience, be expected to maintain a vigorous, extramurally funded research program, and contribute to undergraduate and graduate teaching. For information about the departments, see websites: http://www.genetics.uga.edu and http://www.bmb.uga.edu/bomb. The successful candidate may be appointed in either department, based on their training and interests.

Applications must be submitted electronically as a single PDF file that includes a cover letter, curriculum vitae, and brief statement of research and teaching interests to e-mail: genetics@uga.edu. Three letters of recommendation should be electronically sent separately as PDFs to e-mail: genetics@uga.edu, though we will also accept hard copies mailed to: The Genetics Search Committee, Department of Genetics, Davison Life Sciences Building, University of Georgia, Athens, GA 30602-7223. Review of applications will begin on October 15, 2012 and continue until the position is filled.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students, and sustaining a work and learning environment that is inclusive. Women, minorities and people with disabilities are encouraged to apply. The University is an Equal Employment Opportunity/Affirmative Action Institution.

The Department of Chemistry and Biochemistry at the University of Colorado Boulder seeks to hire a tenure-track ASSISTANT PROFESSOR in the area of organochemistry to begin in the fall of 2013. The position is in the area of organochemistry with an interest in synthesis broadly defined to include fields such as chemical biology, natural products chemistry, synthesis methods including catalysis, or related disciplines. To ensure full consideration, complete applications including letters of reference should be received by October 26, 2012. Review of applications will begin October 29, 2012 and will continue until the position is filled.

Applications will only be accepted electronically at website: https://www.jobsatcu.com, posting #818570.

The University of Colorado Boulder is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and members of other traditionally underrepresented groups.

ECOLOGIST/EVOLUTIONARY BIOLOGIST
The Biology Department of Franklin & Marshall College invites applications for the Chair of the Department. Candidates who hold a Ph.D. in Biology or an allied field, with (1) a proven record of excellence in research and teaching, (2) evidence of effective leadership, and (3) eligibility to hold the rank of FULL PROFESSOR at a Carnegie RU/VH institution are encouraged to apply. This is a 12-month, full-time position with salary and other forms of support commensurate with qualifications. For full consideration, applications (which include four documents: a letter of intent, statement of leadership experience and skills pertaining to research, teaching, and outreach, a current curriculum vitae, statement of research, and list of references) should be combined into one PDF document and submitted electronically via website: http://cns.fandm.edu/employment/BiologyChair by November 15, 2012. Application materials, including letters of recommendation of semifinalist candidates will be made available for review by the full Faculty. The full job description can also be found at website: http://cnsbiology.fandm.edu/employment.

Inquiries should be addressed to: P. Shing Ho, Chair, Biology Chair Search Committee, College of Natural Sciences, Franklin & Marshall College, 33 W. Market Street, Fort Collins, CO 80523-1801, e-mail: shing.ho@fandm.edu.

CSU is an Equal Opportunity/Equal Access/Affirmative Action Employer. Colorado State University conducts background checks on all final candidates.

PHYSICIAN-SCIENTIST INVESTIGATOR IN Gastroenterology and Hepatology
Weill Cornell Medical College
The Division of Gastroenterology and Hepatology of the Department of Medicine, Weill Cornell Medical College, in conjunction with the Center for Advanced Digestive Care, New York Presbyterian-Weill Cornell Medical Center, have two tenure-track faculty positions available for investigators. One position is for an individual engaged in fundamental laboratory research in the area of inflammatory bowel disease, and the other position is for an investigator working in the general area of hepatocyte development and biology. Candidates are expected to qualify for faculty positions at the Assistant Professor level at Weill Cornell Medical College to have or will have NIH funding for their research. Physician-scientists with M.D. or combined M.D.-Ph.D. degrees are preferred. Competitive startup packages and laboratory resources will be included. Applications will be considered until November 15, 2012.

Interested candidates should send their curriculum vitae to: Andrew I. Schafer, M.D., Chair, Gastroenterology-Hepatology Research Search Committee, c/o Beverly Bunker, 328 East 68th Street, Box 130, M-522, New York, NY 10065 or e-mail: bborg@med.cornell.edu.

Equal Opportunity Employer/Minorities/Females/Persons with Disabilities/Veterans.

HARVARD UNIVERSITY
The Department of Psychology anticipates hiring a SENIOR LECTURER to begin July 1, 2013.

The appointee will be expected to teach four courses per academic year including undergraduate and graduate courses in statistics, research design, and data analysis. In addition to expertise in standard multivariate techniques of data analysis, working knowledge of simulation techniques and potentially techniques including graph theory and Bayesian analysis would be desirable. The appointee may also be asked to serve on undergraduate senior thesis committees, dissertation committees and other departmental committees.

This appointment requires a Ph.D. and candidates will ordinarily have held a faculty position at a research university at the Assistant Professor level (pending administrative approval). Candidates must have the Ph.D., demonstrated strengths in research and teaching, and evidence of successful participation in multi-investigator research and publication. Candidates with the ability to teach introductory biostatistics will be preferred. The successful candidate will have the opportunity to engage undergraduates in research, and participate in our interdisciplinary major programs, including Environmental Studies/Science and Biological Foundations of Behavior (neuroscience and animal behavior). Franklin & Marshall is a small (enrollment 2400), highly selective coeducational liberal arts college with a tradition of excellence in science and student research.

Applicants should arrange to have letters sent from three referees, and should submit curriculum vitae, cover letter, plans for actively engaging undergraduates through teaching, teaching evaluations (if available), and undergraduate and graduate transcripts. Electronic applications will not be accepted. Priority will be given to completed applications received by November 9, 2012. Applications may be sent to: Search Committee, Department of Psychology, Franklin & Marshall College, P.O. Box 3003, Lancaster, PA, 17604. Telephone: 717-291-4118; fax: 717-358-4548; e-mail: janice.kaufman@fandm.edu; website: http://www.fandm.edu/academics/departments/psychology. The College is committed to having an inclusive campus community, and as an Equal Opportunity Employer, does not discriminate in its hiring or employment practices on the basis of gender, race or ethnicity, color, national origin, religion, age, disability, familial status, or sexual orientation.
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, webinars and downloadable booklets filled with practical advice, a community forum providing answers to career questions, and thousands of job listings in academia, government, and industry, Science Careers has helped countless individuals prepare themselves for successful careers.

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

To learn more, visit aaas.org/plusyou/sciencecareers
POSITIONS OPEN

MOLECULAR MICROBIAL ECOLOGIST
UNC Charlotte

The Department of Biology at the University of North Carolina at Charlotte is seeking applicants for a tenure-track ASSISTANT PROFESSOR position. Applicants must have a Ph.D. in the biological sciences with expertise in the area of Molecular Microbial Ecology. Candidates are expected to document expertise in their specialty by a record of postdoctoral training, peer-reviewed publications, and plans for supporting an extramurally funded research program. While being open to work with any suitable microbial system, higher consideration will be given to applicants that complement existing expertise in aquatic microbial ecology, including environmental health. Previous teaching and mentoring experience in college is desirable.

The successful candidate is expected to contribute to teaching and mentoring in our undergraduate and graduate curricula with a focus on Molecular Microbial Ecology in an ecological context. The Department of Biology supports B.S., B.A., M.S. (thesis and non-thesis) and Ph.D. programs with a diverse body of faculty and students and prides itself with hands-on training of its students. The Department and College strongly support and value diversity among their students and faculty.

Candidates must apply online at website: http://jobs.uncc.edu, position number: 6898. Please provide a complete curriculum vitae, philosophy statements for research and teaching, a statement of interest in an ethically diverse environment, contact information for three references, and three representative publications. Screening of applications will begin November 12, 2012, and continue until the position is filled. The expected start date is August 15, 2013.

For more information, please contact Dr. Matt Parrow (e-mail: mwparrow@uncc.edu), Search Committee Chair, and/or the Biology Department website: http://biology.uncc.edu.

The Department of Biology at the University of North Carolina at Charlotte is an Equal Opportunity Employer/Affirmative Action Employer and an ADVANCE Institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained. Therefore, we celebrate diversity that includes, but is not limited to, ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status.

WORKSHOP: ENVIRONMENTAL PROTEOMICS
December 10–14, 2012
Environmental Proteomics Laboratory, California Polytechnic State University, San Luis Obispo, California

The five-day workshop will provide a hands-on introduction to proteomics methodologies, specifically 2-D gel-electrophoresis and mass spectrometry for the identification of proteins. The workshop will focus on optimizing the analysis of the proteome of non-model and model organisms that are of interest to ecologists. We will provide a detailed introduction into sample preparation techniques, 2-D gel-electrophoresis, 2-D gel image analysis, mass spectrometry, bioinformatics to process and analyze spectra, and tools to interpret proteomic results. Participants are encouraged to analyze their own samples during the workshop. Travel costs and room accommodations will be provided. Each person will be covered through National Science Foundation grant 1250309 (website: http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1250309). The course is open to advanced undergraduates and graduate students, postdoctoral fellows, and faculty. There are no prerequisites other than an interest in applying proteomics to an ecological or evolutionary question. Please send curriculum vitae with a research statement included and a motivation letter explaining the reasons for wanting to participate in the workshop to Dr. Lars Tomanek (e-mail: ltmomanek@calpoly.edu) by October 31, 2012. For more details about the laboratory, see website: http://www.calpoly.edu/~bio/EPI/index.html.

POSITIONS OPEN

CELL/MOLECULAR BIOLOGIST
The Department of Biological Sciences, University of Denver (DU), invites applications for a Cell or Molecular Biologist in a tenure-track position at the ASSISTANT PROFESSOR level to begin September 1, 2013. Candidates with research interests in one or more of the broad fields of development, cellular biophysics, cell signaling, and neurosciences will be particularly encouraged to apply. The successful candidate will have a Ph.D. and postdoctoral experience in appropriate fields, will develop a strong extramurally funded research program, will supervise graduate and undergraduate research projects, and teach introductory courses in one of the following areas: cell biology, biochemistry, or physiology, as well as upper level courses in specific areas of expertise. All candidates must submit their application through website: https://www.dujobs.org. The online application should include: curriculum vitae, statements of research interests and teaching philosophy, and copies of two recent publications. Under a separate cover send three letters of recommendation to: Dr. Scott Barber, Chair, Cell/Molecular Biology Search Committee, Department of Biological Sciences, University of Denver, Denver, CO 80208. Review of applications will begin November 30, 2012. The University of Denver is committed to enhancing the diversity of its faculty and staff and encourages applicants from women, minorities, people with disabilities and veterans. DU is an Equal Employment Opportunity/Affirmative Action Employer. Please see our interactive benefits page at website: http://www.du.edu/hr/benefits.

FACULTY POSITIONS in Marine Chemistry/Geochemistry
The Skidaway Institute of Oceanography invites applications for two faculty positions at the ASSISTANT PROFESSOR level in Trace Element Geochemistry and Marine Environmental Chemistry. Applications from more senior candidates will also be considered. The successful candidate must have a Ph.D. and is expected to develop an active, extramurally funded research program. We are particularly interested in a collaborative colleague who can demonstrate experience in conducting field-based, interdisciplinary research in estuarine, coastal, and/or marine environments. A prominent area of research include, but are not limited to: Marine Environmental Chemistry: aquatic toxicology; and fate, reactivity, transport and impact of organic compounds in coastal systems.

Trace Element Geochemistry: estuarine processes (including those associated with rivers and/or ground water), sediment-water interactions, use of trace elements to examine coastal and continental shelf processes (chemical, geological, and/or biological), and trace element contaminants.

The successful applicant will also teach at the undergraduate and graduate level in joint educational programs with other biological sciences departments in the University. We seek faculty whose interests complement existing strengths in marine chemistry and biogeochemistry, microbial ecology, marine geology and physical observations and modeling. Located near Savannah, Georgia, the Skidaway Institute of Oceanography provides direct access to and infrastructure for research in extensive salt marsh, estuarine, and continental shelf environments. Send curriculum vitae, statement of research interests and teaching experience and contact information for at least three references, or direct inquiries to either e-mail: trace_elementgeochemist@skio.usug.edu or environmental_chemist@skio.usug.edu. Please attach required documents in PDF format. Electronic submission of applications is strongly encouraged. Further applications may be sent to: Skidaway Institute of Oceanography, 10 Ocean Science Circle, Savannah, GA, 31411. Review of applications will begin on November 12, 2012. Equal Opportunity Employer/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR - CLIMATE
Massachusetts Institute of Technology

The MIT Department of Earth, Atmospheric and Planetary Sciences has been undergoing a major expansion of its activities in climate science. Positions have recently been filled in the areas of Atmospheric Chemistry and Physical Oceanography. We are currently advertising for further appointments in Climate-related fields as they pertain to: observations, models and theories of the ocean and cryosphere, and related biogeochemical cycles and ecology. Preference will be given to junior appointments at the ASSISTANT PROFESSOR level, but a senior appointment can be considered for an individual with exceptional qualifications.

The successful candidates will have a strong record of accomplishment in their discipline, a strong commitment to teaching and student advising, and a keen interest in relating their work to complementary research in the Department and in the MIT/Woods Hole Joint Program in Oceanography. Joint appointments with other MIT departments are also potentially negotiable where appropriate.

Applicants should submit curriculum vitae; a one-page description of research and teaching plans; and the names, e-mail addresses, and telephone numbers of three professional referees. Please do not ask your references to upload letters at the time of application; letters will be requested directly by MIT. Questions may be addressed to Professor John Marshall, Search Committee Chair. Further applications are being accepted at Academic Jobs Online, website: https://academicjobsonline.org/ajo. To receive consideration, a complete application must be received.

Search Contact: Mr. Michael Richard, Human Resources Administrator, EAPS, 54-912 Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139; e-mail: mjr@mit.edu; telephone: 617-253-8298. MIT is an Equal Opportunity/Affirmative Action Employer; applications from women and underrepresented minority candidates are encouraged. MIT is a smokefree environment.

Bowdoin College invites inquiries, nominations, and applications for the newly endowed position of DIRECTOR of the Bowdoin College Marine Laboratory and PROFESSOR of Biology. We seek an established research scholar of excellence in marine biology, with a strong commitment to teaching and research, with a demonstrated track record of extramural funding and mentoring of undergraduate research. All fields of marine biology. Successful candidate will establish a research program at Bowdoin, benefiting students and the College.

Bowdoin’s Marine Lab is located at the Coastal Studies Center on Orr’s Island, approximately 8 miles from the Bowdoin campus (website: http://www.bowdoin.edu/coastal-studies-center). The College offers competitive salaries and startup packages, a 2-1 teaching load, small classes, a culture of student research, and excellent research and grant support infrastructure.

Nomination and expressions of interest may be directed to Cristle Collins Judd, Dean for Academic Affairs at e-mail: cjudd@bowdoin.edu. Visit website: http://www.bowdoin.edu/about/employment/index.shtml to apply.

Review of applications will begin will begin October 19, 2012.

Bowdoin College is committed to equality through Affirmative Action, and is an Equal Opportunity Employer.

MARKET PLACE

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