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**Science Careers**

From the journal Science

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**NC STATE UNIVERSITY**

**ASSISTANT/ASSOCIATE OR FULL PROFESSOR**

Global Environmental Change and Human Well-Being

As one of the leading land-grant institutions in the nation, North Carolina State University is proud to announce its Chancellor’s Faculty Excellence Program, a cluster hire program that marks the first major initiative of the university’s 2011-2020 strategic plan, “The Pathway to the Future.” Starting in 2012, NC State will hire thirty-eight faculty in twelve research areas or “clusters” to promote interdisciplinary scholarship and the development of innovative curricula in emerging areas of strategic strength. As part of this university-wide program, the Department of Biology and the Department of Forestry and Environmental Resources are hiring a cluster of three faculty at any rank to provide leadership for a new initiative in Global Environmental Change and Human Well-Being. We seek leaders in any area of biology under this theme, and encourage applications from those who study global change as it relates to fisheries and aquatic diversity, quantitative ecology, evolutionary biology, or other areas. Successful applicants are expected to have a strong vision for their vibrant and extramurally-funded research program, a commitment to leadership in the area of Global Environmental Change, and demonstrated excellence and innovation in graduate education. This cluster will strengthen and bridge emerging initiatives at NC State including: 1) the Southeast Climate Science Center; 2) the Nature Research Center of the NC Museum of Natural Sciences; and 3) programs in Ecology and Evolutionary Biology. More information on these positions and this initiative can be found at http://www.theglobalchangeforum.org/clusterhire/ We are targeting applicants already holding a position at the level of Assistant Professor or higher (or equivalent), but exceptional postdoctoral fellows also will be considered.

To apply for these positions, go to http://jobs.ncsu.edu/postings/7389 and provide a cover letter, curriculum vitae, and a 1-page vision for Global Environmental Change and Human Well-being focused on your research program and/or building this programmatic theme at NC State. Confidential inquiries and nominations should be directed to Dr. Damian Shea, Search Chair, d_shea@ncsu.edu, 919-513-3065. Review of applications will begin 15 August 2012 and continue until the positions are filled. We welcome applications from groups of individuals and dual-career couples and will work with candidates to identify suitable employment opportunities for spouses or partners.

ADA Accommodations: please call 919-515-3148.

NCSU is an AA/EEO employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, age, veteran status or disability. In its commitment to diversity and equity, NC State University seeks applications from women, minorities, and persons with disabilities. NC State welcomes all persons without regard to sexual orientation.

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**HARVARD UNIVERSITY**

Assistant/Associate Professors

Department of Genetics and Complex Diseases

The Department of Genetics and Complex Diseases (GCD) at the Harvard School of Public Health (HSPH) seeks candidates for the position of assistant or associate professor. This is a tenure-ladder position, with the academic rank to be determined in accordance with the successful candidate’s experience and productivity.

Successful applicants will hold a PhD and/or MD degree and will have a record of outstanding productivity. Individuals are sought particularly in the following areas to complement the existing research and training goals of the department: signal transduction related to energy and nutrient sensing pathways, regulation of metabolic homeostasis, inflammatory and stress response pathways related to chronic metabolic diseases and aging, cancer metabolism, and genetic and epigenetic approaches to study metabolism. Programs that utilize mass spectroscopy platforms for high resolution approaches as well as those individuals using systems and/or computational approaches applied at a mechanistic level to problems of metabolic homeostasis and gene-environment interactions and/or adaptive responses are also encouraged to apply. The candidate should possess the ability to work collaboratively with other scientists and the scholarly qualities required to mentor doctoral students in the graduate program in the Division of Biological Sciences. Generous start-up packages and state-of-the-art research facilities are available.

Please apply to: https://academicpositions.harvard.edu

For questions, please contact:

Marjorie Tatum
Department of Genetics and Complex Diseases
gcddept@hsph.harvard.edu

The Harvard School of Public Health is committed to increasing the representation of women and minority members among its faculty, and encourages applications from such candidates.
Professors/Associate Professors/Assistant Professor/Post-doctoral Positions

Chinese Academy of Sciences Research Center on Fictitious Economy and Data Science (CASFEDS), Beijing, China (http://www.feds.ac.cn/Pages/default.aspx) is a newly research unit under the direct leadership of Chinese Academy of Sciences. Professor Cheng Siwei, the former Vice-Chairman of the Standing Committee of the National People's Congress of the People's Republic of China, serves as the director. The objective of CASFEDS is to be a truly international leader on research, technology transfer and think tank in the fields of financial markets, data science, environment policy, social computing, and related issues. The center has 4 research labs: fictitious economy lab, data mining and optimization lab, green economy lab, and social computing and e-health science. The applicants are kindly invited to apply the open positions for Professors, Associate Professors, Assistant Professor, and Post-doctors. The research interests of applicants include but not limited to data science (data mining), intelligent knowledge, optimization-based approaches, knowledge management, bioinformatics, fictitious economy theory, finance, e-health science and social computing. The outstanding candidates will be recommended to the “1000 talents program” and/or “100 talents programs” through the Graduate University of Chinese Academy of Sciences.

Applicants for these positions should have a PhD degree, excellent academic records, and good communication and writing skills. The rank of a position will depend on the experience. The application profile must contain resume, copy of degree certificate, 3 selected publications, and 3 recommendation letters from the references. The applications can be sent via e-mail to:

Ms. Zhao Zhao
Room 203, Building 6, No.80 Zhongguancun East Road, Research Center on Fictitious Economy and Data Science, Graduate University of Chinese Academy of Sciences, Chinese Academy of Sciences, Haidian District, Beijing, 100190, China.
(T): +86-10-82680699 (F): +86-10-82680698
E-mail: zhaozhao@gucas.ac.cn

UNIVERSITY of HOUSTON
COLLEGE OF PHARMACY
Post-Doctoral Fellow Position
Department of Pharmacological and Pharmaceutical Sciences

The College of Pharmacy is accepting applications for the position of a Post-Doctoral Fellow in Pharmacology. This new position has been created in the laboratory of an NIH funded Assistant Professor, to study the biochemical mechanisms underlying anxiety and depression-like behaviors. Eligible candidates must have earned a Ph.D. degree in Neuroscience and have experience in rodent behavior assays, especially with depression and anxiety-like behaviors. Experience in stereotaxic surgery, western blotting, cell culture, PCR and fluorescent imaging techniques is also needed.

Applications will be accepted until the position is filled. Interested individuals should apply online at: https://jobs.uh.edu/ (Posting #000185).

Candidates should also send a letter describing their research Interests, a curriculum vitae, and names of three references with postal and email addresses, telephone and fax numbers at the email address provided below.

University of Houston
College of Pharmacy
Department of Pharmacological and Pharmaceutical Sciences
Houston, TX 77204-5037
Email: ssalim@uh.edu

DEPARTMENT HEAD OF PHARMACAL SCIENCES
HARRISON SCHOOL OF PHARMACY
AUBURN UNIVERSITY

The Auburn University Harrison School of Pharmacy seeks applications and nominations for the position of Department Head of Pharmacal Sciences. This department focuses on research and instruction of basic pharmacological and biomedical sciences. This individual’s responsibilities include: participation as a member of the senior administrative team; guiding the department regarding research, faculty mentorship and development, and graduate and professional education.

To ensure success in addressing the School’s vision and mission, applicants must possess a Ph.D. in pharmaceutical or biomedical sciences or related field, excellent interpersonal and communication skills, and demonstrated experience in leadership and management. The ideal candidate should have academic credentials sufficient to meet tenure eligibility requirements, an outstanding scientific background, an established and ongoing record of obtaining extramural funds, and the proven abilities to foster an interdisciplinary approach to research in order to assist the School towards achieving the next level of biomedical research.

Salary will be competitive and commensurate with education and experience. The candidate selected for this position must be able to meet eligibility requirements to work in the United States at the time appointment is scheduled to begin and continue working legally for the proposed term of employment.

To assure full consideration, applications must include a curriculum vitae, a letter of interest providing a summary of qualifications for the position, and the name and contact information for three references. Review of applications will begin September 1, 2012 and will continue until the position is filled. Applications and nominations should be submitted via e-mail to Ms. Jennifer Johnston at jmj0025@auburn.edu or via mail to Search Committee, Pharmacal Sciences Department Head, 4306 Walker Building, Auburn, AL 36849. For further information concerning the position, applicants may also contact Ms. Johnston at (334) 844-7432.

Women and minorities are encouraged to apply. Auburn University is an Equal Opportunity/Affirmative Action Employer.

Regional Centre for Biotechnology (RCB), an institution of education, training and research established by the Govt. of India under the auspices of UNESCO, is looking for dynamic, result-oriented and dedicated aspirants at leadership position at the Advanced Technology Platforms Centre, a major research resource of NCR Biotech Science Cluster of which RCB is a partner institution. Applications/nominations from/for suitable candidates are invited for a position at the level of Scientist ‘H’. The candidate should have Ph. D. in any area of Natural Sciences, Medicine or Engineering and at least 15 years as Principal Investigator in interdisciplinary biomedical research using diverse technology platforms including experience of guiding research at doctoral level in Universities/Institutes/Industrial Research Laboratories. Experience of establishing and managing any of the technology platforms for innovative research in interdisciplinary biomedical areas at the leading levels will be an added advantage. Curriculum vitae containing relevant details, list of publications and the names of three potential referees along with their electronic mail addresses may be sent to the Executive Director, Regional Centre for Biotechnology, 180, Udyog Vihar, Phase-I, Gurgaon- 122016, India with an advance copy to the e-mail address: office@rcb.res.in latest by August 15, 2012. Only the short-listed candidates will be contacted for further discussions. A detailed version of the advertisement can be found on the RCB website: http://www.rcb.res.in and www.rcb.ac.in.

ADV. NO. 5/2012
Leadership Position in Technology Platforms in Interdisciplinary Biomedical Research

Regional Centre for Biotechnology (RCB), an institution of education, training and research established by the Govt. of India under the auspices of UNESCO, is looking for dynamic, result-oriented and dedicated aspirants at leadership position at the Advanced Technology Platforms Centre, a major research resource of NCR Biotech Science Cluster of which RCB is a partner institution. Applications/nominations from/for suitable candidates are invited for a position at the level of Scientist ‘H’. The candidate should have Ph. D. in any area of Natural Sciences, Medicine or Engineering and at least 15 years as Principal Investigator in interdisciplinary biomedical research using diverse technology platforms including experience of guiding research at doctoral level in Universities/Institutes/Industrial Research Laboratories. Experience of establishing and managing any of the technology platforms for innovative research in interdisciplinary biomedical areas at the leading levels will be an added advantage. Curriculum vitae containing relevant details, list of publications and the names of three potential referees along with their electronic mail addresses may be sent to the Executive Director, Regional Centre for Biotechnology, 180, Udyog Vihar, Phase-I, Gurgaon- 122016, India with an advance copy to the e-mail address: office@rcb.res.in latest by August 15, 2012. Only the short-listed candidates will be contacted for further discussions. A detailed version of the advertisement can be found on the RCB website: http://www.rcb.res.in and www.rcb.ac.in.

THE UNIVERSITY OF HOUSTON IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER. MINORITIES, WOMEN, VETERANS, AND PERSONS WITH DISABILITIES ARE ENCOURAGED TO APPLY.
ACCELERATE YOUR CAREER AT LIFE TECHNOLOGIES CHINA.

Life Technologies is the world’s most innovative biotechnology company formed with the merger of Applied Biosystems and Invitrogen. If you're thinking about accelerating your career, there’s no better place to do that than in China, the world’s fastest growing economy, with a fast growing company. A company of people working together to shape discovery and improve life.

For more information, visit lifetechnologies.com/careers/cn or contact us at cn.recruit@lifetech.com
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
SEVEN Tenure Track or Tenured PROFESSOR Positions

Aalto University School of Electrical Engineering seeks experts especially in the following fields:

- Electrical Engineering (power and energy), Automatic Control, Embedded Systems, Smart Living Environment;
- Radio Science and Engineering, Radio Astronomy, Space Science and Engineering, Optoelectronics;
- Communications Engineering and Networking Technology.

The positions are open at all levels from assistant professor to full tenured professor.

Applicants must have a doctoral degree in a relevant field. For assistant and associate professor levels evaluation focuses on merits and potential for excellence, for full professors we look for demonstrated excellence in research and teaching. Relevant industrial experience is appreciated.

Application deadline is September 30, 2012. For further information and application details, please visit at: www.elec.aalto.fi/tenuretrack

Aalto University is a new university with over a century of experience. Created from a high-profile merger between three leading universities in Finland – the Helsinki School of Economics, the Helsinki University of Technology and the University of Art and Design Helsinki – Aalto University opens up new possibilities for strong multi-disciplinary education and research. The university’s ambitious goal is to rank among the top universities in the world in its areas of specialization. At Aalto University, there are 20,000 students and a staff of 5,000, of which 350 are professors.

www.elec.aalto.fi

THE ELITE NANYANG ASSISTANT PROFESSORSHIP 2012

Singapore’s science and technology university, the Nanyang Technological University (NTU), invites outstanding young researchers and exceptional scholars in their field of science, engineering, social sciences, arts, humanities, economics, business, communications and other emerging fields to apply for appointment as a Nanyang Assistant Professor. Up to 10 appointments will be made.

Successful candidates will receive start-up research grant of up to SGD 1 million (EUR 621K / USD 791K / JPY 63.5M) and an attractive remuneration package with competitive salary and benefits including assistance with accommodations. They will hold tenure track appointments and play lead roles in NTU’s multi-disciplinary, integrative research.

Candidates should be below 40 years of age, within 10 years of gaining their Ph.D or equivalent degree in their respective field and ready to independently lead their own research groups.

For enquiries, please email: NanyangProfessorship@ntu.edu.sg

About Nanyang Technological University

A young and research-intensive university in Singapore, Nanyang Technological University is one of the fastest-rising universities in the world. NTU is ranked 58th in the QS-World Universities Ranking (2011) and is 4th in the latest QS Top 50 Under 50 ranking. NTU has established Singapore’s newest medical school with Imperial College London (UK), and now offers a joint medical degree.

Helmed by Professor Bertil Andersson, winner of the 2010 Wilhelm Exner Medal, NTU has made unprecedented research investment, with emphasis on cutting edge research, and revolutionary technological innovation across multi-disciplines. NTU has also embarked on key global themes that will greatly impact the 21st century.

NTU has attracted high calibre faculty and researchers to its ranks and will continue to consolidate its world-level teams in these areas. We invite you to be a part of this exciting journey with NTU through the Nanyang Assistant Professorship scheme.

Applications now open for submission* till Monday, 1 October 2012, 11:59pm (UTC/GMT +8:00)

*Only online applications will be accepted at www.ntu.edu.sg/nap

www.ntu.edu.sg/NAP
FACTS & FICTION
Careers in Industry and Academia

Trying to figure out the next step in your career? Join us for a roundtable discussion that will look at facts and fiction surrounding academic and industry career options for PhD-level scientists. Get some nuts and bolts advice on how to research career options, what questions to ask, and how to best prepare for various careers.

- Do industry and academic careers require different skill sets?
- Do industry jobs have better compensation? Less autonomy?
- Do academic scientists have less work/life balance?

For answers view our roundtable discussion for free at:

ScienceCareers.org/webinar
**School of Engineering and Physical Sciences**

**Selex Galileo Chair in Laser Device Physics and Engineering**

**Salary on the Professorial Scale (minimum £54,283)**

We require a senior member of academic staff, to drive forward important research activities in Laser Device Physics and Engineering, as part of a Strategic Alliance between Heriot-Watt University and Selex Galileo. The Chair will be pivotal to the success of this partnership. You must have the knowledge, drive and breadth of vision to provide the leadership necessary for the achievement of high impact research in laser device physics and engineering. You must therefore have a research record consistent with the level of appointment, evidenced by quality research publications and by a track record in securing research grant/contract awards. With research interests that will help to further cement the relationship between Heriot-Watt and Selex Galileo, specifically in novel solid state lasers and their applications, you will also be expected to develop broader research interests independent of Selex Galileo’s requirements.

In addition to research activity, you will be expected to contribute fully to all aspects of School activity, in particular the Physics Bachelors and Masters teaching programmes. In suitable circumstances, there may be the opportunity for linked academic appointments.

Download an application pack from our website [www.hw.ac.uk/jobs](http://www.hw.ac.uk/jobs) or contact the Human Resources Office, Heriot-Watt University, Edinburgh EH14 4AS tel:0131 451 3022 (24 hour) or email hr@hw.ac.uk quoting Ref: 99/12.

Closing date: 31 August 2012.

Heriot-Watt University is a Charity registered in Scotland, SC000278

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**UNIVERSITY of OULU**

**OULUN YLIOPISTO**

**TENURE TRACK POSITIONS AT THE UNIVERSITY OF OULU, FINLAND**

The University of Oulu in Northern Finland is an international, multidisciplinary research university with a rich pool of creative and intellectual talent. It is one of the largest universities in Finland with an exceptionally wide academic base and ranked among the top 301–400 universities in the world on the ARWU list (The Academic Ranking of World Universities, conducted by researchers at the Center for World-Class Universities of Shanghai Jiao Tong University CWCU).

The strengths of the University of Oulu are its broad academic base, top-level research in its chosen focus areas, and quality education. The University promotes advanced research, education and culture, and strengthens the knowledge and skills base leading to enhanced wellbeing. Its activities ensure the availability of a highly-trained specialist workforce and research capacity.

The University of Oulu seeks candidates for tenure track positions to begin in 2013 in the following topics:

- Biosciences and Health
- Information Technology
- Cultural Identity and Interaction
- Environment, Natural Resources and Materials
- Business Studies and Economics
- Research-Based Teacher Education

More information on the positions and how to apply at [www.oulu.fi/english/jobs](http://www.oulu.fi/english/jobs) and from Director Sinikka Eskelinen, e-mail sinikka.eskelinen@oulu. Application deadline is October 1, 2012 before 3:00 p.m. local time.

[www.oulu.fi/english/jobs](http://www.oulu.fi/english/jobs)
POSITIONS OPEN

PROFESSOR AND DIRECTOR of
Stem Cell Molecular Imaging

The University of California, San Diego (UCSD) Stem Cell Program, in cooperation with Pharmacology, Chemistry/Biochemistry, Radiology and other departments seeks a senior tenure-track professor to head the molecular imaging facility in the Sanford Consortium for Regenerative Medicine, and conduct strongly interdisciplinary research in stem cell science and medicine. This tenure-track faculty position is available in Fall 2012 at the ASSOCIATE or FULL PROFESSOR LEVEL.

The molecular imaging facility in the Sanford Consortium for Regenerative Medicine already has an operational 11.7T Bruker small animal MRI, a shielded facility specifically designed for a cyclotron, and funds reserved for radiochemistry and microPET facilities. The mission is to develop preclinical and clinical molecular imaging to support stem cell therapies and regenerative medicine.

The Program seeks a candidate with independent and vigorous extramurally funded research programs in stem cell radiology or imaging, biology, biochemistry, medicine, engineering, or other fields related to stem cell science, with innovative approaches and expertise in more than one discipline. Candidates should have a track record of publications in internationally recognized journals, and a willingness to participate in university service, graduate and undergraduate teaching. UCSD is committed to academic excellence and diversity within the faculty, staff, and student body. Successful candidates will demonstrate strong contributions to diversity, equity, and inclusion, and a commitment to achieving excellence and diversity UC San Diego. Applicants must possess a Ph.D. or M.D. degree.

The UCSD Stem Cell Program is an interdisciplinary, collaborative research and teaching program focused on using stem cells to understand basic biology and the causes and treatment of human disease. The successful applicant will have appointments in one or more home departments at UC San Diego.

The Chair of the Search Committee, Roger Y. Tsien, Ph.D., invites you to submit your curriculum vitae, a statement of research experience and interests, the names and e-mail addresses of three references, and a separate statement summarizing past experience or potential to contribute to equity and diversity to website: https://apol-recruit.ucsd.edu/apply.

Please select the following open position: Professor, Stem Cell Program 10-427.

UCSD is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to excellence through diversity.

FACULTY POSITIONS - MEDICAL SCHOOL

The Saint James School of Medicine, an international medical school (website: http://www.sjsm.org), invites applications from candidates with teaching and/or research experience in any of the basic medical sciences for its Caribbean campuses. Faculty positions are currently available in Anatomy and Pathology. Applicants must be a M.D., D.O., and/or Ph.D.

Teaching experience in the U.S. system is desirable but not required. Retired persons are encouraged to apply. Attractive salary and benefits. Submit curriculum vitae electronically to e-mail: mjansen@mail.sjsm.org or mail to: HRDS Inc., 1480 Renaissance Drive. Suite 300, Park Ridge, IL 60068.

From technology specialists to patent attorneys to policy advisers, learn more about the types of careers that scientists can pursue and the skills needed in order to succeed in nonresearch careers.

Download your free copy today.

ScienceCareers.org/booklets