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The Carl R. Woese Institute for Genomic Biology (IGB) at the University of Illinois at Urbana-Champaign is proud to announce

THE CARL R. WOESE POSTDOCTORAL FELLOWSHIP PROGRAM

In 1977, Carl R. Woese overturned one of the major dogmas of biology with his discovery of the Archaea, the third domain of life. The methods he utilized involving ribosomal RNA have become the standard approach used to identify and classify all organisms today. As a faculty member of the University of Illinois for nearly 50 years and a founding member of the Institute for Genomic Biology, we honor the legacy of Carl R. Woese with the renaming of our institute to the Carl R. Woese Institute for Genomic Biology and the establishment of the Woese Fellowship.

The Woese Fellows will be truly exceptional young scholars who have completed their Ph.D. within the last several years, and are at the forefront of their field in evolution and the emergence of life, or other rapidly developing areas of quantitative biology and genomics. Woese Fellows will combine a quantitative outlook on biology with creative, possibly interdisciplinary, approaches to deep scientific questions, and will be able to take advantage of the stimulating IGB environment to carry out independent and collaborative research in a field of genomic biology. Woese Fellows will typically spend two to three years conducting research in one or more of the several research themes in the Institute. An annual salary of $55,000 will be provided, with a yearly stipend of $10,000 to be used in support of research.

The closing date for all positions is December 15, 2015. Fellows will be announced on or about January 15, 2016. To apply, please visit http://go.illinois.edu/woesefellow.

The University of Illinois is an Affirmative Action/Equal Opportunity Employer. The Carl R. Woese Institute for Genomic Biology is a pioneer in advancing life sciences research with program areas in systems biology, cellular and metabolic engineering, and genome technology. Visit www.igb.illinois.edu for additional information.

MRC-University of Glasgow Centre for Virus Research (CVR)

Chair in Infectious Diseases (Virology)

Salary will be within the professorial range and subject to negotiation

Ref: 011315

The MRC-University of Glasgow Centre for Virus Research (CVR) is a distinctive international research centre with a critical mass of researchers dedicated to the multidisciplinary study of human and animal viruses. We are seeking a world-class leader to establish a major programme on fundamental, translational or clinical research in virology/viral diseases. The post-holder will complement the existing strengths of the CVR. The research programme can be focused on virology or on virus-host interactions. Candidates leading programmes in virus genomics, evolution or bioinformatics are also encouraged to apply. The appointee will have a strong track record of research achievement, an international reputation and a demonstrated ability to attract competitive national and international funding. They will play a research leadership role within and beyond the CVR.

The CVR is well positioned to offer an attractive start-up package and resources. For further information, please visit www.cvr.ac.uk and www.facebook.com/centreforvirusresearch.

Informal enquiries should be directed to Prof Massimo Palmari (massimo.palmari@glasgow.ac.uk).

Apply online at www.glasgow.ac.uk/jobs

Closing date: 18 October 2015.

The University is committed to equality of opportunity in employment.

The University of Glasgow; charity number SC004401.

www.glasgow.ac.uk
TIANJIN UNIVERSITY
A Fertile Land for International Talents

The national strength relies primarily on the pooling of talents, which requires the encouragement and development of education. 120 years ago, Peiyang University was founded on October 2, 1895 in Tianjin, China. Learning from the educational model of modern western universities, it was to pursue national independence and prosperity. The University was renamed Tianjin University (TJU) in 1951.

Charles D. Tenney, an American educator, was commissioned by Sheng Xuanhuai, founder of the University who played a significant role in the Westernization Movement, to draw up the first university charter in China, and was hired as the University’s first acting president. Since then, he started exploring the integration of theory and practice in the development of a modern university that fostered high-caliber scientific talents. Peiyang University harvested its first graduates in 1899 and granted the first collegiate diploma in China in early 1900.

At the beginning of its establishment, most courses were taught by distinguished foreign scholars from the United States, Russia, Britain, France, and Japan. These teachers included Chemist H. V. Fuller, who was a close friend of Albert Einstein, and N. F. Drake, an expert in mining and metallurgy. A number of elites who have been trained overseas, including Zhao Tianlin, Mao Yisheng, Cai Yuezhen, Li Shuitian, Zhang Hanying, successively served as President of the University.

The University has cultivated and nurtured a number of famous graduates, including “No. 1 expert in modern law” Wang Ch’ung-hui, “Antimony King” Wang Chungyu and “Founding Father of the Olympic Games in China” Wang Zhengting. They have made outstanding contributions not only to the establishment of modern systems of jurisprudence and industry, but also to the development of modern education in China.

Nowadays, TJU is committed to the mission of revitalizing this country through education and upholds the motto “Seeking Truth from Facts” while the faculty follows the guideline of precise learning and strict teaching. Carrying forward the tradition of patriotism and devotion, the University makes a thorough inquiry into science, nurtures talents, inherits and passes on cultures, strengthens the nation and shapes a promising future. The goal of the University is to build a comprehensive, open, internationalized, research-oriented world class university and to contribute significantly the socio-economic development of China and the advancement of the civilization of the world. More and more overseas talents have been attracted to study and work in the University.

Jay Siegel is a renowned professor in the field of molecular design and R&D of new drugs. When hired by President Li Jiajun as the Dean of the School of Pharmaceutical Science and Technology in 2013, this American scientist expected to become the second Charles D. Tenney. The School of Pharmaceutical Science and Technology became the University’s “International Talent Zone” and employed 26 prominent teachers from 7 countries, including 21 non-Chinese ethnicities. Moreover, a Nobel Prize winner is planning to join the TJU pharmaceutical team by applying for the “Recruitment Program of Global Experts” (1000 Talent Plan). Prof. Siegel was approved as the chief scientist responsible for the “Research on the Construction and Basis of Corannulene New Carbon Materials”, a national level key project included in “973 Plan”. With his pure academic pursuit and the adventurous spirit, this “foreign dean” is making every effort to realize his Chinese dream, i.e. the establishment of a world leading Molecular Design Center in Asia.

In 2005, the micronano manufacturing was an emerging research area in the world while was a blank in China. At that time, Prof. Fang Fengzhou, an expert in this field, resolutely came back to his motherland from Singapore and established the Center of Micronano Manufacturing Technology in Tianjin. During the last decade, the Center has been built into one of the showpiece laboratories worldwide in the field. For his outstanding contributions, Prof. Fang was conferred Albert M. Sargent Progress Award by SME, becoming the first Chinese winning this award.

President Li Jiajun confers a Letter of Appointment to Professor Jay Siegel appointing him as the Dean of the School of Pharmaceutical Science and Technology

Prof. Li Guifang returned from abroad to his Alma mater in 2011 and set up the Photonic Systems Lab that filled the gap in China in this field. He was selected into the “1000 Talent Plan” and also the chief scientist of the “Fundamental Research on Multidimensional Multiplexing Optical Fiber Communications”, a national level key project included in “973 Plan”. The Lab has been invested a fund of tens of millions RMB for construction and attracted a number of Chinese overseas young talents born in 1970s and 1980s, including Zhang Lin, Post-doctor in Materials Science and Engineering of MIT, Hu Xiaolong, Post-doctor of Columbia University and MIT, and Zhao Jian, PhD and Research Fellow of Hong Kong Polytechnic University in fiber optic communications. Prof. Li Guifang once said, “I believe that our lab would be admired by any research team in China.”

Professor Li Guifang specializes in integrated optoelectronics devices and optical fiber communication systems

Among the scholars that TJU introduces from the “1000 Talent Plan”, 7 have been approved as chief scientists of “973 Plan” and 2 have undertaken the “National Key S&T Special Projects” and “ITER (International Thermonuclear Experimental Reactor) Project” as researchers in charge. Regarding talents cultivation, they have offered international courses and guided students to publish in top journals. In terms of team building, two scholars’ research teams have been selected as the Ministerial Innovative Teams by MoE. As regards team management, 6 of them serve as school deans, integrating advanced concepts of school running into TJU’s development. On the dimension of international cooperation, 4 of them have built international cooperation and innovation centers, which strongly enhances the international influence of the University.

Centered on the urgent need of national construction, Tianjin University is making a brand new discipline layout with the aim of building itself into a world class university with advanced systems around the world. Such first-class platforms as Tianjin Co-Innovation Center of Chemical Science and Engineering, Center for Applied Mathematics of Tianjin University, School of Marine Science and Technology, Center for Earth and Environmental Science, 3D Print Research Center, Big Data Research Center are attracting overseas talents for greener pasture, who at the same time, are contributing to the bright future of this 120-year-old University.

Professor Fang Fengzhou specializes in ultra-precision machining and measurements
Tianjin University’s Binhai Industrial Research Institute

Founded in 1895 as Peiyang University, Tianjin University (TJU) is regarded as the pioneer of modern higher education in China. Supported by Chinese Ministry of Education, TJU is among the first group of universities to be included in the “985”, “211” and “2011” Projects of national investment for developing world recognized universities. Over the years, TJU has grown into a world prestigious research university with distinctive quality and strength in education, research and social services. (www.tju.edu.cn)

**Positions**

Tianjin University, one of the top universities in China, invites outstanding applicants for a full-time professorship, and seeks candidates in the following areas.

In **Science or Engineering:**
- Engineering, natural science, life science, marine science and technology, information technology, relevant emerging inter-disciplines.

In **Other Academic Fields:**
- Architecture, economics, business, management, social sciences, relevant emerging inter-disciplines. Applicants with multidisciplinary scientific background and nontraditional research approaches are preferred.

**Qualifications**

Competitive applicants with outstanding academic performance are expected to be academic staff from leading universities or researchers from renowned institutions or companies. Research excellence and potential for future productivity are essential. Additional criteria include leadership and communication skills.

In **Science or Engineering:**
- Applicants shall apply for National Recruitment Program of Global Youth Experts (the National Youth 1000-Talent Program) through Tianjin University. Successful candidates will be employed as an appointee.

In **Other Academic Fields:**
- Applicants will be selected according to their qualifications, academic performance, innovation capability, and leadership.

**Responsibilities**

Responsibilities include establishing a vigorous research program, teaching undergraduate and graduate students, and providing professional/institutional services.

**Salary and Support**

The university offers an attractive remuneration package. Salary will be commensurate with candidates’ qualifications.

Tianjin University’s Weijin Road Campus

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**FACULTY POSITIONS AT TIANJIN UNIVERSITY**

(1) Application form
(2) Detailed curriculum vitae
(3) Publications list and five full-text representative publications

A detailed application information and the application form can be downloaded from [http://hr.tju.edu.cn/xpyx/jy/](http://hr.tju.edu.cn/xpyx/jy/).

**Contacts**

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Ms. Cheng Xin

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Tianjin University, China

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Telephone: (+86) 022-27403932,
(+86) 022-27402079

Fax: (+86) 022-2740177

Address: 318/Building 9, 92 Weijin Road, Nankai District, Tianjin, 300072
Tenure Track Faculty

The Department of Brain & Cognitive Sciences (BCS) at MIT is looking to hire up to five (5) tenure-track faculty at the assistant professor level. Affiliations with the Picower Institute for Learning & Memory and the McGovern Institute for Brain Research are possible. We are most excited about candidates who work in one or more of the following four (4) areas:

i. Computational and theoretical approaches to neuroscience and cognition. Possible areas of focus include but are not limited to: statistics and data science, neural circuits, neural population representations and transformations, and cognitive processes. Candidates with the ability to build bridges across empirical domains are especially attractive. An affiliation with Electrical Engineering and Computer Science (EECS), the Computer Science and Artificial Intelligence Laboratory (CSAIL), Institute for Data, Systems, and Society (IDSS), or other allied departments is possible.

ii. Systems neuroscience in non-human animals. The ideal candidate would be driven by computational questions and ideas from human cognition, with the goal of reverse engineering the underlying neural representations and processes using tools that allow access to multiple brain regions.

iii. Cognitive neuroscience in humans, especially if the candidate’s work bridges levels of analysis using a variety of methods including MRI, MEG, fMRI, theoretical modeling, genetics and reverse engineering approaches.

iv. Human cognition using behavioral methods, especially in the areas of language and/or cognitive development.

Successful applicants are expected to develop and lead independent, internationally competitive research programs and to share in our commitment to excellence in undergraduate and graduate education by teaching courses and mentoring graduate and undergraduate students. PhD must be completed by start day of employment and some postdoctoral training is preferred.

Please submit application materials – cover letter, CV, statement of research and teaching interests and representative reprints – online at https://academicjobsonline.org/ajo/jobs/5972. Please state research area in cover letter. To help direct the application, applicants should indicate which of the four areas listed above is their main research area by answering the mandatory questions included in the application. In addition, please arrange to have three letters of recommendation submitted online. Review of applications will begin on October 31, 2015.

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

http://web.mit.edu
Ningbo University invites you to apply for faculty positions

About Ningbo University

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

Academic Excellence

NBU consists of 22 faculties and offers 75 undergraduate programs, 116 master programs, and 12 Ph.D. programs. It enrolls 31,645 students including 26,527 full-time undergraduates and 5,118 graduate students. Currently NBU has around 1,400 full-time faculty members and 1,000 administrative staff members. Among them there are 5 academicians, 284 full professors, and 721 associate professors.

Research Achievements

With 77 research institutes and 14 key laboratories, NBU is the center of varieties of research and teaching activities. The research and development initiatives of the university, especially in marine science, information science and technology, engineering mechanics, and material science have contributed greatly to the economic development of the region and have been recognized by numerous national awards. The university library has a CNKI Network Administrative Service Center, and a collection of approximately 1,700,000 books and 1150GB digital resources.

International Programs

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

QUALIFICATIONS

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

REMUNERATION & CONDITIONS OF SERVICE

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

APPLICATION

Please submit completed application form, CV and cover letter via email to rsc@nbu.edu.cn. Application forms can be downloaded from http://www.nbu.edu.cn/shizixuzhuan. Recruitment stays open until positions are filled unless otherwise specified. Please visit http://rsc.nbu.edu.cn for more details.

INFORMATION ON POSITIONS

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

Faculty of Electrical Engineering and Computer Science

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

FACULTY OF MECHANICAL ENGINEERING AND MECHANICS
Professor/Associate Professor/Assistant Professor
Mechanics/Vehicle Engineering/ Mechanical Engineering/Industrial Design

INTERNATIONAL COLLEGE
Professor/Assistant Professor
Accounting

SCHOOL OF MATERIALS SCIENCE AND CHEMICAL ENGINEERING
Assistant/Associate/Full Professors
Polymer Science/Chemical Engineering/Materials Science

SCHOOL OF LAW
Professor/Associate Professor/Assistant Professor
Criminal Law/Criminal Procedure Law/Civil Procedure Law/Civil Law/Electronic Commerce Law

COLLEGE OF TEACHER EDUCATION
Professor/Associate Professor/Assistant Professor

FACULTY OF MARITIME AND TRANSPORTATION
Professor/Associate Professor/Assistant Professor
Department of Logistics and Transportation/Department of Maritime Technology/Department of Marine Engineering/Department of Naval Architecture and Ocean Engineering

FACULTY OF PHYSICAL EDUCATION
Assistant Professor
Sport Management/Sport Sociology/Human Movement/Sport Training/Sport Physiology

MEDICAL SCHOOL
Professor / Associate Professor
Mechanism And Prevention Of Alzheimer’s Disease; Oncology; Genetics; Human Anatomy; Histology And Embryology; Cell Biology; Immunology; Microbiology; Parasitology; Analytical Chemistry; Occupational And Environmental Health; Toxicology

COLLEGE OF ARTS
Professor / Associate Professor / Assistant Professor
Performance Of All Areas; Musicology (Ethnomusicology), Music Composition Art Design Of All Areas, Digital Arts, Fine Art, Art History, Art/Music Industry, Art/Music Therapy

SCHOOL OF ARCHITECTURE, CIVIL ENGINEERING AND ENVIRONMENT
Professor / Associate Professor / Assistant Professor
Architecture Design Urban Design Urban Planning Architecture Technology/Human Geography/ Physical Geography/Cartography and Geographic Information System/Environmental Technology/Applied Environmental Microbiology; Civil Engineering/Engineering Management
The American Association for the Advancement of Science (AAAS) is conducting a search for a **Chief International Officer**. AAAS is the world’s largest general scientific society, and publisher of the Science family of journals, (www.aaas.org). One of AAAS’s broad goals is to advance international cooperation in science.

**Position Responsibilities**
The Chief International Officer is a member of the AAAS senior leadership staff. He/she will be responsible for participating fully in developing and implementing overall Association strategies to accomplish the goals and objectives set by the AAAS Board of Directors. This individual will work collaboratively with other members of the senior leadership team to develop and implement AAAS’ strategic initiatives.

- Develops a comprehensive and coherent AAAS strategy for international programmatic work; conducts long-range planning and establishes program priorities and methods of program evaluation. Responsible for proposal development and fundraising.
- Directs the programs and activities of the International Office, which coordinates international activities across AAAS to further enhance the image of the organization internationally.
- Sets broad, strategic international goals and objectives and builds relationships both internally and externally to help fulfill AAAS’ international goals.

The Chief International Officer will represent AAAS and the International Office at meetings, conferences, congressional hearings, and community forums in the U.S. and abroad to share information, foster cooperation, and develop and implement mutual programmatic interests.

**Requisite Candidate Skills, Qualifications & Experience**
The position requires mastery of a professional field typically acquired through the completion of a doctoral degree in a scientific field and recognized achievement within the field as evidenced by publications, academic or other appoints, or other relevant professional recognition. Ideally, he/she will have 15 or more years of experience in progressively responsible positions in program development and management of international programs.

Experience may be obtained through managing large-scale projects in academia, government, or business and should also include fundraising responsibilities. Interested and qualified candidates must apply through [http://www.aaas.org/page/employment-aaas](http://www.aaas.org/page/employment-aaas). Deadline for application is October 15, 2015.

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**ARE YOU WORKING WITH THE WORLD’S BEST POSTDOC?**

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**THE ORIGINS PROJECT**

**POSTDOCTORAL AWARD LECTURESHP**

This annual $10,000 international award will be given to an outstanding junior scholar chosen from any field of study relevant to the broad mission of the Origins Project at ASU. The winner will be hosted for one week in the ASU unit closest to their field of study, and will present 3 lectures on their research and one public lecture. In addition to the cash award, all travel and accommodation expenses will be covered by the Origins Project.

[ Origins,ASU.EDU/PRIZES-SCHOLARSHIPS ]

**NOMINATION DEADLINE NOVEMBER 1, 2015**
The Trustees of the Howard Hughes Medical Institute invite nominations and applications for President of HHMI. The President serves as HHMI’s chief executive officer. It is anticipated that the President will be an internationally recognized scientist with diverse leadership experiences who is passionate about advancing biomedical research and science education.

HHMI is a nonprofit medical research organization that plays a powerful role in advancing basic research and science education across the U.S. As one of the nation’s largest philanthropies, HHMI has provided over $8 billion in direct support for research and science education over the past decade. In 2014, the Institute invested $706 million in U.S. research and provided $77 million in grants and other support for science education.

Unlike most science funders, HHMI invests in people, not projects. HHMI believes that scientists of exceptional talent, commitment, and imagination will make fundamental biological discoveries if given the resources, time, and freedom to pursue challenging questions. Through rigorous national competitions, HHMI selects top researchers to become HHMI investigators. Today, over 300 HHMI investigators lead laboratories at approximately 70 host institutions (universities, research institutes, and hospitals). HHMI scientists and lab staff are employees of the Institute and supported by a nationwide team of dedicated professionals.

HHMI is known for experimenting with how science is done. In addition to its Investigator program, the Institute developed its own research campus, Janelia Research Campus, in Ashburn, Virginia, to tackle some of science’s most profound questions in a collaborative, interdisciplinary culture. Researchers at Janelia engage in active bench science, computational analysis, and theoretical work to probe fundamental questions and pursue groundbreaking discoveries in the field of neuroscience.

As a complement to its research programs, HHMI operates a significant grants program to enhance science education for students at all levels, with a particular focus on innovative undergraduate science education. To inspire the next generation of scientists, HHMI creates exceptional films, classroom resources, and teaching strategies for use in high schools, colleges, and universities across the country.

Founded in 1953 by Howard R. Hughes, the aviator and industrialist, HHMI is headquartered in Chevy Chase, Maryland, and employs close to 3,000 people across the U.S. It has an endowment of nearly $19 billion. More information about HHMI is available at www.hhmi.org; more information about the position of President is available at http://www.hhmi.org/presidential-search.

Responses should be directed to PresidentSearch@hhmi.org and should include a current curriculum vitae with a cover letter summarizing the candidate’s scientific interests and accomplishments and administrative experience.

Equal Opportunity Employer
The Department of Systems Biology at Harvard Medical School invites applications for tenure-track Assistant Professor positions. Two positions are available. We seek creative thinkers who take risks in defining and addressing important problems in biology and medicine, and who use quantitative experimental, computational and/or theoretical approaches in their work. The Department has a diverse faculty with backgrounds in cell biology, biochemistry, physics, mathematics, chemistry, computer science, engineering and medicine, and offers a lively, family-friendly, and supportive environment in which to perform interdisciplinary science.

The successful candidates will become members of Harvard University’s Ph.D. Program in Systems Biology, a cross-campus interdisciplinary program that attracts extraordinary graduate students.

A Ph.D., M.D./Ph.D. or M.D. is required.

The deadline for applications is 15 November 2015. Application instructions can be found at http://academicpositions.harvard.edu/postings/6429.

We are an Equal Opportunity Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

THE DEPARTMENT OF CHEMISTRY

The Department of Chemistry at Boston University invites applications from outstanding candidates for an Assistant Professor tenure track position in the field of Experimental Physical, beginning July 1, 2016. Candidates with research focus broadly defined in the areas of biophysical chemistry, advanced imaging, materials science, nano/bio/technology, or energy/sustainability are particularly encouraged to apply. The successful applicant should have a strong interdisciplinary focus and will benefit from the department’s supportive and collegial environment which includes close affiliations with Boston University’s Materials Science and Engineering Division, the Photonics Center, Neuroscience Center, and Quantitative Biology Program. Undergraduate teaching responsibilities will be in the areas of physical, analytical and general chemistry, and materials, with the opportunity to develop graduate courses in the candidate’s area of expertise. Applicants should apply by submitting a letter of interest, including teaching and research objectives, and current Curriculum Vitae, and arrange to have three letters of reference sent by October 31, 2015 through website https://academicjobsonline.org/ajo/jobs/6188.

Boston University is an Equal Opportunity Employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

The University of Windsor’s Department of Chemistry and Biochemistry invites applications for two tenure-track Assistant Professor positions as part of its expanding program in Materials Science in the areas of (1) Sustainable Materials and Green Chemistry, and (2) Health Applications of Materials commencing July 1, 2016. For complete job descriptions visit our website at www.uwindsor.ca/50newprof. For more details contact: Dr. Bulent Mutus, Head, Chemistry and Biochemistry, Faculty of Science, University of Windsor, 401 Sunset Avenue, Windsor, Ontario Canada N9B 3P4, Phone: 519-253-3000 Ext. 3526; E-mail: chembiohead@uwindsor.ca.
Salary: Commensurate with experience

Program: Computational Biology and Biomarker Research in Heart and Lung Diseases

TWO post-doctoral positions (both with one-year term and extendable for another year with satisfactory progress) are available immediately for two highly motivated recent PhD or MD/PhD graduates to join collaborative research teams at the Centre of Excellence for the Prevention of Organ Failure (PROOF Centre) and UBC Center for Heart Lung Innovation. The two positions will be focused on computational biology and the characterization of biomarkers in chronic heart or lung disease:

1. The Chronic Obstructive Pulmonary Disease (COPD) research fellow will work under the supervision of James Hogg, MD, Ph.D. an emeritus professor in the Department of Pathology at the University of British Columbia, and Senior investigator at the HLI located at St Paul’s Hospital and Raymond Ng, Ph.D., a professor in the Department of Computer Science, University of British Columbia and Chief Informatics Officer at the PROOF Centre. The research will involve comparing genetic, genomic and proteomic data from tissue and blood samples to enhance the biological understanding of COPD. That is currently being conducted in collaboration with Dr. Avrum Spira and his colleagues at Boston University.

2. The Heart Failure and Heart Transplantation research fellow will work under the supervision of Bruce McManus, MD, PhD, a professor in the Department of Pathology at the University of British Columbia and CEO of PROOF Centre, and Raymond Ng, PhD, a professor in the Department of Computer Science at the University of British Columbia and Chief Informatics Officer at the PROOF Centre. The research will involve comparing genomic and proteomic data from tissue and blood samples to enhance the biological understanding, diagnosis, prognosis or monitoring of heart failure and heart transplant rejection.

The latest computational biology approaches will be used to identify specific biological pathways underlying heart or lung failure, thereby improving our understanding of the mechanisms and biomarkers involved in these conditions. These positions will be exceptional opportunities for highly talented and ambitious young investigators with very strong backgrounds in computational biology, plus proven experience with high-throughput data analyses. The successful applicants will be expected to make major discoveries related to cardiac or lung disease and inflammatory/immune conditions.

Eligibility: Interested individuals with a recent PhD or MD/PhD, strong publication records and excellent academic credentials are encouraged to apply. Prior expertise in computational biology approaches, including data mining and systems science, is a requirement. Prior experience in immunology, cardiac biology, or functional genomics is a bonus. UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. However, Canadians and permanent residents of Canada will be given priority.

Duration: 1 year with possible extension for a second year.

Contact: Please submit a cover letter, curriculum vitae, transcripts from formal post-secondary school education, and the names and full contact information for three professional references. The cover letter should include a description of your previous research experience and long-term career goals. Send electronic applications by October 9, 2015 to kelly.ceron@hli.ubc.ca.

Launched in 2014, the Evergrande Center for Immunologic Diseases at Harvard Medical School and Brigham and Women’s Hospital comprises both basic and translational research programs focused on chronic inflammation underlying autoimmune, neurologic and metabolic diseases, and the environmental factors that trigger chronic inflammation. The Center has an ambitious ten-year growth plan, including faculty recruitment.

Evergrande Center faculty:

- Vijay Kuchroo (Chair)
- Arlene Sharpe (Co-Chair)
- Ana Anderson
- Christopher Benoit
- Diane Mathis
- Howard Weiner

The Evergrande Center is inviting applications for a tenure track position at the rank of Assistant Professor commensurate with experience and accomplishments. We seek an exceptional scientist addressing fundamental or translational questions related to chronic inflammation.

Applicants should have a track record of high-quality, published research, and proposals for an exciting line of investigation related to chronic inflammation. The successful candidate will join the current six core faculty members of the Evergrande Center for Immunologic Diseases, where s/he will direct a program of independent research, taking advantage of the Center’s core facilities, expertise and other resources. We are particularly interested in candidates who value a highly collaborative and interactive approach to research. The ideal candidate will have an MD and/or PhD and evidence of a creative, collegial and exceptional research track record. While a track record of grant funding is desirable, it is not required.

The appointment will be with the Department of Neurology at Brigham and Women’s Hospital and the Department of Microbiology and Immunology at Harvard Medical School. The successful candidate will be provided laboratory space in a new research building due to open 2016, and a customary start-up package. Salary and benefits will be competitive with other institutions.

Interested candidates should send a cover letter, a curriculum vitae, and a brief (2-3 pages) statement of current and future research plans to the Chairs of the Committee (Vijay Kuchroo and Arlene Sharpe) at:

Admin@evergrande.hms.harvard.edu

The Computational Biologist will coordinate and perform computational analyses of the genomic and transcriptomic data generated within the Center’s laboratories, including working with Center faculty to formulate strategies, assessing and applying software tools and programming languages, developing novel statistical tools and algorithms, orchestrating data integration and advising and training Center researchers. Additionally, the Computational Biologist will coordinate and lead input from other Center computational specialists and coordinate with Brigham and Women’s Hospital and Harvard Medical School IT staff for access to high-performance computer resources and for the deployment and management of data analysis pipelines, databases and web servers. Special projects as assigned.

To apply for the Computational Biologist position, please visit the Brigham & Women’s Hospital Career site at careers.brighamandwomens.org and search for Job ID #3001286.

For further details on these positions and the Evergrande Center, please visit our website at: evergrande.hms.harvard.edu