Call for nominations for the first annual

Eric and Sheila Samson Prime Minister's Prize for Innovation in Alternative Fuels for Transportation

The US $1 million prize will be awarded for global innovation or a major scientific or technological breakthrough in the field of alternative fuels for transportation.

Nominees for the prize should be actively engaged in innovative, paradigm-shifting research in the field of alternative fuels for transportation, worthy of significant and widespread attention. The recipient(s) can be of any nationality, race, ethnicity, or sex.

Deadline for nominations: Extended until June 30th, 2013

For nomination information and forms see http://tinyurl.com/pmprize
Wayne State University (WSU) is seeking to strengthen its Placental Pathology Unit, whose goal is to characterize the frequency and clinical significance of human placental lesions, and to study the mechanisms of disease whereby these lesions arise and have consequences in fetal and maternal health and disease.

The Placental Pathology Unit collaborates with Departments within the School of Medicine, and also with the Perinatology Research Branch of the Division of Intramural Research, NICHD, NIH, DHHS, which is housed at the WSU campus.

This unit applies techniques of molecular pathology to the study of normal and abnormal placentation. The successful applicant should have an M.D. degree or M.D./Ph.D., have completed a residency training in surgical pathology, and have demonstrated experience with the nosology of placental lesions.

Experience and expertise in the methods of placental sampling, gross and histopathological examination, immunohistochemistry, in-situ hybridization, and immunofluorescence are required. Familiarity with state-of-the-art methods for optical imaging (such as confocal and intravital microscopy) is desirable. The successful applicant is expected to establish a program of molecular pathology of the placenta and an experimental component focused on the biology of trophoblast and fetal membranes in normal pregnancy, as well as in parturition.

The primary focus is the conduct of original research with a strong interdisciplinary component. The team includes maternal-fetal medicine specialists, neonatologists, geneticists, other pathologists, scientists, as well as residents and fellows. The applicant is expected to lead a clinical pathological conference, and teach surgical pathology of the placenta to residents, fellows, and other members of the research team.

Impeccable written and oral communication skills are required to disseminate results of research at scientific meetings and to write scientific papers. The applicant will supervise laboratory staff which provides support for gross and surgical pathology.

The Placental Pathology Unit offers an exceptional opportunity for academic growth for individuals committed to the pursuit of excellence. Applications from the U.S and non-U.S. graduates are welcome. Tenure and non-tenure track positions are available.

Review of applications will begin immediately, and will continue until the position is filled.

Interested individuals should send:

- a curriculum vitae,
- a separate statement summarizing their experience and professional contributions,
- and a list of three references to:

Sonia S. Hassan, M.D.
Associate Dean for Maternal, Perinatal and Child Health
Wayne State University School of Medicine
mpch@med.wayne.edu
The Division of Research and Economic Development is seeking a Director, Biomanufacturing Research Institute and Technology Enterprise (BRITE) to provide the overall leadership and supervision of the unit. BRITE is one of NCCU’s major research institutes and houses the Department of Pharmaceutical Sciences. The incumbent is expected to have an earned Ph.D. (or M.D. or PharmD) in Biochemistry, Chemistry or Biology or a related field with a minimum of 10 years of experience in the pharmaceutical industry. It is expected that the incumbent will qualify for full professor and tenure. The Director reports to the Vice Chancellor for Research and Economic Development.

Research within BRITE is designed to address biomanufacturing and drug discovery. The Institute boost of its 460,000 compound library which is the largest at any college or university in the United States of America. BRITE serves approximately 200 students, annually, who are majoring in pharmaceutical sciences at the undergraduate and/or graduate levels. The newest graduate program within the unit is the Ph.D. Integrated Biosciences/Pharmaceutical Sciences Track. BRITE serves as the major research arm of the Department of Pharmaceutical Sciences, College of Arts and Sciences. The unit has approximately 38 research/faculty and staff members.

The Division anticipates filling the Position of Director, Biomanufacturing Research Institute and Technology Enterprise by September 3, 2013; however, review of applications will commence immediately and continue until the position is filled. Applications and/or Nominations may be submitted to the person whose name and contact information is listed below: Hazell Reed, Ph.D., Vice Chancellor, Division of Research and Economic Development, Suite 309 Hubbard-Tutton Building, 1801 Fayetteville Street, North Carolina Central University, Durham, NC 27707; or via email hreed@nccu.edu.

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THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

School of Science
Joint Faculty Positions

The School of Science of The Hong Kong University of Science and Technology seeks applicants for joint tenure-track positions at the rank of Assistant Professor or Associate Professor. The School is seeking applicants with expertise in interdisciplinary areas, such as super-resolution imaging and biological physics, that bridge life science, physics, and chemistry. Successful applicants should have a doctoral degree plus several years of postdoctoral experience. They will be expected to establish an independent, internationally recognized research program and to contribute to the undergraduate and graduate teaching missions of the School.

The School of Science is located in the vibrant international atmosphere of the University, on a quiet, picturesque sea-side campus, just 40 minutes from downtown Hong Kong. Teaching and research are carried out in an outstanding intellectual environment that is rich in technical resources. The medium of instruction in the University is English.

Starting salary will be commensurate with qualifications and experience. Fringe benefits including medical/dental benefits and annual leave will be provided. Housing benefits will also be provided where applicable. The School of Science is committed to diversity in its ranks and strongly supports equal opportunity employment.

Applications should include a curriculum vitae, a short statement of research interests and the names and addresses of three individuals who can serve as referees for the candidate. These materials should be sent to Prof. Yung Hou Wong, Chair of the Adhoc Joint Search and Appointment Committee for Interdisciplinary Recruitment, Division of Life Science, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. Electronic submissions are strongly encouraged (email: indisearch@ust.hk). Review of applications will start immediately and will continue until the positions are filled.

(Information provided by applicants will be used for recruitment and other employment-related purposes.)
Wayne State University (WSU) seeks nominations and applications for a full-time faculty position focused on the study of microorganisms in pregnancy complications. The programmatic goal is to establish an exceptional unit to characterize the microbiome of the genital tract and discover pathogens in normal pregnant women and those with complications. A priority is to develop molecular techniques for the identification of bacteria and viruses responsible for intra-amniotic and congenital infections using sequence-based techniques.

A molecular microbiology unit, specific to reproduction, will be established to strengthen the University’s impressive record of innovative discoveries and achievements in obstetrics, maternal-fetal medicine and perinatal medicine. The unit is intended to promote collaboration among clinicians and faculty members working in reproductive immunology, genomics and computational biology. This position is part of the WSU Perinatal Initiative to create partnerships with the Perinatology Research Branch of the Division of Intramural Research, NICHD, NIH, DHHS, housed at the WSU campus.

The successful candidate is expected to establish a productive and independent research program in the area of molecular microbiology. A Ph.D. degree or equivalent, expertise and training in the identification of microbes (bacteria and viruses) using sequence-based techniques are requirements. The program is intended to combine morphologic (in situ hybridization), culture, and sequence-based techniques to the characterization of infections during pregnancy (maternal and fetal) and to study changes in the microbial ecosystem. Emphasis will be on the rapid identification of pathogens, microbial sequencing, transcriptomics and visualization of bacteria in tissues. The faculty member should be able to establish a new laboratory, participate in graduate and medical education, recruit and supervise laboratory staff, and lead a productive and dynamic team.

WSU is committed to academic excellence and diversity within the faculty, staff and student body. WSU is interested in candidates who have demonstrated commitment to excellence in research and teaching. Some scholarly activity and service towards building an equitable and diverse scholarly environment is required. Successful candidates should possess excellent written and verbal communication skills. Salary is commensurate with qualifications and experience and based on the WSU pay scale. Tenure and non-tenure track positions are available. Series of appointment, as well as a competitive start-up package, will be determined based upon the candidate’s skills, qualifications and experience. National and international applicants are welcome.

Review of applications will begin immediately, and will continue until the position is filled.

Interested individuals should send:

- a curriculum vitae,
- a separate statement summarizing their experience and professional contributions,
- and a list of three references to:

Sonia S. Hassan, M.D.
Associate Dean for Maternal, Perinatal and Child Health
Wayne State University School of Medicine
mpch@med.wayne.edu
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Wayne State University (WSU) is seeking to establish a Unit devoted to the study of epigenetics in pregnancy and pregnancy complications.

The goal of the Unit is to study the effect of environmental factors in inducing epigenetic changes (DNA methylation, histone modification, microRNA, etc.). The first step would be to catalog epigenetic modifications taking into account tissue and cellular specificity. The study of the effect of exposure to microbial products and microorganisms during fetal life in the immune system (adaptive and innate) epigenome is a priority. The Unit is expected to use the tools of epidemiology to identify associations and to move to experimental studies addressing the issues of causation using in-vitro and in-vivo experimentation.

The Epigenetics in Pregnancy and Fetal Development Unit collaborates with Departments within the School of Medicine, and also with the Perinatology Research Branch of the Division of Intramural Research, NICHD, NIH, DHHS, which is housed at the WSU campus.

The successful applicant should have a Ph.D. degree, and be able to establish a dynamic program whose primary focus is original research. After 3 years, it is expected that external funding can be secured.

The primary focus is the conduct of original research with a strong interdisciplinary component. The team includes maternal-fetal medicine specialists, neonatologists, experts in genomics, computational biologists, pathologists, reproductive biologists, as well as residents and fellows. The applicant is expected to lead a scientific group, organize regular seminars and Journal clubs to participate in education/training, and critical analysis of progress in the field. Impeccable written and oral communication skills are required to disseminate results of research at scientific meetings and to write scientific papers.

The Epigenetics in Pregnancy and Fetal Development Unit offers an exceptional opportunity for academic growth for individuals committed to the pursuit of excellence. Applications from the U.S and non-U.S. graduates are welcome. Tenure and non-tenure track positions are available.

Review of applications will begin immediately, and will continue until the position is filled.

Interested individuals should send:

- a curriculum vitae,
- a separate statement summarizing their experience and professional contributions,
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Sonia S. Hassan, M.D.
Associate Dean for Maternal, Perinatal and Child Health
Wayne State University School of Medicine
mpch@med.wayne.edu
Dr. Shirley Malcom, born and raised in the segregated South more than 65 years ago, a career based on her studies in science seemed even less likely than the launch of the Soviet’s Sputnik. But with Sputnik’s success, the Space Race officially started and, in an instant, brought a laser-like focus to science education and ways to deliver a proper response. Not long after, Dr. Malcom entered the picture.

Although black schools at the time received fewer dollars per student and did not have sufficient resources to maintain their labs at a level equivalent to the white schools, Dr. Malcom found her way to the University of Washington where she succeeded in obtaining a B.S. in spite of the difficulties of being an African American woman in the field of science. From there she went on to earn a Ph.D. in ecology from Penn State and held a faculty position at the University of North Carolina, Wilmington.

Dr. Malcom has served at the AAAS in multiple capacities, and is presently Head of the Directorate for Education and Human Resources Programs. Nominated by President Clinton to the National Science Board, she also held a position on his Committee of Advisors on Science and Technology. She is currently a member of the Caltech Board of Trustees, a Regent of Morgan State University, and co-chair of the Gender Advisory Board of the UN Commission on Science and Technology for Development. She has held numerous other positions of distinction and is the principal author of *The Double Bind: The Price of Being a Minority Woman in Science*.

Of her active career in science, Dr. Malcom says, “I guess I have become a poster child for taking one’s science background and using that in many other ways: we ask questions; we try to understand what we find; we consider what evidence we would need to confirm or refute hypotheses. And that happens in whatever setting one finds oneself.”

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The Hong Kong University of Science and Technology (HKUST) seeks established academics with a vision to advance education and research in sustainable development to help build in partnership with Xi’an Jiaotong University (XJTU) the planned XJTU-HKUST Joint School of Sustainable Development (JSSD), a strategic alliance to combine the strengths of the two universities to address needs on both the regional and global level. To be located in Xi’an, the gateway to the fast-emerging western region of China, the School will focus on training a new generation of graduates who are capable of contributing to sustainable development, a strategic national goal for China and an area that is widely recognized as one of the world’s most pressing challenges. English will be the School’s language of instruction.

HKUST is a world-class leading research university and has been ranked overall No. 1 university in Asia for the last two years by QS Asian University Rankings®. XJTU, established in 1896, is in the C9 League, which consists of the top nine prestigious universities in China. Both universities are internationally known for their research and educational programs, especially in the areas of the natural and social sciences and engineering. By combining the strengths of the two universities, JSSD will make a fundamental contribution to education in the field of sustainable development and undertake interdisciplinary high-impact research in energy conservation, resource management and environmental protection. Within the next five years, the School is expected to have up to 60 faculty members and an enrollment of more than 1,000 undergraduate and postgraduate students in three departments:

### Founding Department Heads

#### DEPARTMENT OF SUSTAINABLE ENERGY

An interdisciplinary academic unit to be established to provide undergraduate and postgraduate academic programs and undertake cutting-edge research in energy-science and technologies for sustainable development focusing on sustainable use of fossil fuels and their environmental impact, alternative energy sources, energy distribution and storage, system and engineering design for sustainability, and energy policy and management.

The founding Department Heads of the three departments will be senior faculty members of HKUST appointed for posting to the JSSD in Xi’an. We are now seeking world-class scholars in the research areas of energy, materials or infrastructure to fill these senior faculty positions at HKUST with tenure. Applicants must meet the high academic and professional standards of the HKUST senior faculty. Candidates appointed to the founding headships, reporting to the Dean of JSSD, will lead the formation of the departments, formulate governance policies, facilitate academic advancement in teaching and research, and take charge of faculty recruitment and resource allocation. They will typically have substantial experience and proven leadership skills in managing major research programs and human resources in an academic or large-scale research setting. They will also be able to help promote the department at the global level, develop collaborative programs and attract major external funding for large interdisciplinary research projects at the national level. We are also ready to explore other opportunities with scholars interested in teaching and research in the relevant areas.

Remuneration is highly competitive and will be commensurate with qualifications and experience. Generous fringe benefits, including housing where appropriate, will also be provided.

Nominations and applications, including a curriculum vitae, a vision statement of the development of the new departments, a brief statement of current interests, as well as the names, addresses, phone numbers and email addresses of at least three references should be sent to: The JSSD Search Committee, c/o Human Resources Office, The Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, or by email to: jssdsearch@ust.hk. Review of nominations/applications will begin immediately and will continue until the positions are filled.

For further information about HKUST and XJTU, please visit the following websites:

HKUST - http://www.ust.hk

(Information provided by applicants will be used for recruitment and other employment-related purposes only.)
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