THE UNIVERSITY OF HONG KONG

Founded in 1911, the University of Hong Kong is committed to the highest international standards of excellence in teaching and research, and has been at the international forefront of academic scholarship for many years. The University has a comprehensive range of study programmes and research disciplines spread across 10 faculties and over 140 academic departments and institutes/centres. There are 28,000 undergraduate and postgraduate students who are recruited globally, and more than 2,000 members of academic and academic-related staff coming from multi-cultural backgrounds, many of whom are internationally renowned.

Post-doctoral Fellow in Magnetic Resonance Fingerprinting and Deep Learning (Ref.: 201801084)

Applications are invited for appointment as Post-doctoral Fellow in Magnetic Resonance Fingerprinting and Deep Learning in the Department of Diagnostic Radiology, to commence as soon as possible for two years, with the possibility of renewal subject to satisfactory performance and funding availability.

The Advanced Imaging Group, led by Dr. Vince Vardhanabhuti, Dr. Hing-Chiu Chang, and Dr. Ed Hui, is expanding the team with enthused scientists to work on magnetic resonance fingerprinting and deep learning. Its aim is to develop advanced pulse sequences and image reconstruction algorithms, as well as perform research on leveraging use of deep learning and artificial intelligence in order to improve imaging-based diagnosis and disrupt clinical practice.

Applicants should have a Ph.D. degree in Biomedical/Electrical Engineering, Computer Science, Physics, Biomedical Sciences, or a related field. They should be self-driven, highly motivated, creative with excellent communication skills in written and spoken English; and be able to work in a dynamic, diverse and forward-thinking department with an international working environment. They should also have first-hand experience in MR physics, sequence programming and/or image reconstruction algorithms. Abilities to work independently and think “outside the box”, and experience in deep learning would be highly desirable. The appointee will work in close collaboration with radiologists, physicians, biomedical scientists and electrical engineers. The work will be carried out using 3 Tesla Philips Achieva TX and 1.5 Tesla GE. Enquiries about the post should be sent to Dr. Vince Vardhanabhuti, Principal Investigator, at varv@hku.hk.

A highly competitive salary commensurate with qualifications and experience will be offered, in addition to annual leave and medical benefits.

Applicants should send a completed application form together with an up-to-date C.V. and a personal statement with research interest to Dr. Vince Vardhanabhuti of the Department at varv@hku.hk. Application forms (341/1111) can be downloaded at http://www.hr.hku.hk/apptunit/form-ext.doc. Further particulars can be obtained at http://jobs.hku.hk/. Review of application will start on July 31, 2018 and continue until August 31, 2018, or until the post is filled, whichever is earlier.

The University thanks applicants for their interest, but advises that only candidates shortlisted for interviews will be notified of the application result.

The University is an equal opportunities employer and
is committed to equality, ethics, inclusivity, diversity and transparency