



香 港 大 學

THE UNIVERSITY OF HONG KONG

## Post-doctoral Fellow in Deep Learning in Medical Image Analysis

Applications are invited for appointment as **Post-doctoral Fellow in Deep Learning in Medical Image Analysis in the Department of Diagnostic Radiology (Ref.: 492523)**, to commence as soon as possible for two years, with the possibility of renewal subject to satisfactory performance and funding availability.

Advanced Imaging Minds in Artificial Intelligence (AIM AI) Group, led by Dr. Vince Vardhanabuthi, Dr. Hing Chiu Chang, Dr. Ed Hui, and Dr. Peng Cao, is expanding the team with enthused scientists to work on the use of artificial intelligence and deep learning in all aspects of medical imaging (e.g. diagnosis, treatment response, segmentation, image reconstruction, sequence development, etc.) in order to leverage the use of latest available technology to 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; able to work in a dynamic, diverse and forward thinking department with an international working environment; and able to work independently and think “outside the box”. They should also have firsthand experience in application of deep learning methods. Background in MR physics, sequence programming and/or image reconstruction algorithms will be favourable. The appointee will work in close collaboration with radiologists, physicians, biomedical scientists and electrical engineers. The Department has large amount of imaging data comprising of mainly CT, PET-CT and MRI with matching clinical data which can be used for retrospective projects. Prospective projects will be encouraged. Existing facilities include access to high computing GPU computers within the Department. Enquiries about the post should be sent to Dr. Vince Vardhanabuthi, 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.

The University only accepts online application for the above post. Applicants should apply online at the University’s career site (<http://jobs.hku.hk>) and upload an up-to-date C.V. and a personal statement with research interest. Review of application will start on November 30, 2018 and continue until **December 31, 2018**, or until the post is filled, whichever is earlier.

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