THE UNIVERSITY OF HONG KONG

Senior Postdoctoral Fellow in Ultra-low-field MRI Technology

A 3-year Senior Postdoctoral Fellow position is immediately open at Laboratory of Biomedical Imaging and Signal Processing (http://www4.hku.hk/bisplab/) at Department of Electrical and Electronic Engineering of the University of Hong Kong. The role will be to develop pulse sequences, algorithms, hardware strategies, and computational approaches to advance low-cost and portable ultra-low-field MRI for wide applications in healthcare.

We are looking for a highly motivated scientist with experience in imaging or computing technologies to join our young and exciting multidisciplinary team with expertise encompassing ultra-low-field MRI physics and engineering, deep learning, and clinical applications. Our laboratory aims to push the performance limits of low-cost MRI through exploring low-field MRI physics and computing (https://www.nature.com/collections/iajigabbdg). The laboratory hosts two customized ultra-low-field 0.05 Tesla MRI human scanners we’ve developed in recent years, and one 7 Tesla commercial/Bruker small-bore MRI scanner. The laboratory also has active research programs of interrogating brain circuits and networks using fMRI, optogenetics, and electrophysiology.

You should hold a PhD in imaging physics, applied physics, or/and deep learning. Excellent communication, team working, and organisational skills are essential. Salary will be commensurate with experience, ranging from HKD$27,850 to HKD$55,875 per month.

Junior faculty appointment will be also considered if the applicant has highly relevant experience or outstanding track record in MRI or computing research.

To apply or for any informal enquiries, please send CV and a cover letter to Professor Ed X. Wu at ewu@eee.hku.hk.