PostDoctoral Fellow Position at the University of Edinburgh in Medical Imaging and Machine learning

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We will be opening a position and we are looking for an enthusiastic and strongly motivated researcher to join our group at The University of Edinburgh and propose innovative approaches on machine learning and medical imaging. He/she will have the opportunity to visit and collaborate with our partners and participate in exciting projects were medical image computing helps us understand physiology and provide solutions that aid diagnosis.

We have funding from the National Institutes of Heath (USA) together with partners from Cedars-Sinai Medical Center, University of California Los Angeles (California, USA), and Siemens, to investigate new non-invasive techniques of cardiovascular imaging with MRI.

The candidate will join a rapidly growing and interdisciplinary group that collaborates with laboratories across the world to investigate new approaches for image analysis (segmentation, detection, tracking) and the discovery of patterns in multidimensional datasets arising in imaging problems in natural and life sciences.

Candidates should have a Ph.D. in computer vision, medical image analysis, machine learning, signal processing, or related areas. Experience in medical image analysis in MRI will be considered a plus. A good record of international publications demonstrating prior experience is required. The candidate should have good programming skills, a strong mathematical background, and an interest in bridging the gap to the medical/biological/natural sciences.

The University of Edinburgh is considered one of the top universities in the world according to recent rankings. The Institute of Digital Communications, in the School of Engineering, focuses on theory and applications of signal processing in healthcare and communications, such as compressive sensing in MRI, large inverse problems in imaging, and medical image computing. In addition, we are in close proximity to excellent imaging facilities which include preclinical and clinical scanners as well as state-of-the-art dual modality scanners (e.g., PET/MR) and collaborate with several clinicians.

Edinburgh, the capital of Scotland, offers a vibrant professional life, excellent career opportunities and a high quality of life. It has a beautiful old part, has an abundance of café's, restaurants and bars, and yearly hosts the Festival and the Fringe, which is the largest arts gathering in the world.

Interested candidates should email the Principal Investigator (Dr. Sotirios A Tsaftaris, S.Tsaftaris@ed.ac.uk) with an updated CV and a brief summary of interests.

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Dr. Tsaftaris will be attending MICCAI should the candidates want to hear more about the work done in the group. Please email Dr Tsaftaris at **S.Tsaftaris@ed.ac.uk** to arrange a meeting.