Research Fellow in Biomedical Imaging

University of Leeds
Faculty of Medicine and Health
Leeds Institute of Cardiovascular and Metabolic Medicine
Ref. MHLCM1174
University Grade 7, 33,199-£39,609 per annum
Full Time-Fixed Term for three years
Leeds - Main Campus

Are you interested in developing new methods for clinical cardiac diffusion magnetic resonance imaging (MRI)? Do you have a background in diffusion MRI and biomedical image analysis?

The University of Leeds invites applicants for a research fellow position in the field of advanced diffusion MRI in the heart. The project, funded by the British Heart Foundation, seeks to develop cutting-edge diffusion MRI-based methods for extracting novel markers of cardiac tissue microstructure, including measures of cell dispersion and heterogeneity, with higher specificity than existing methods. The developed methods will be applied in patient cohorts to evaluate their potential for improving diagnosis and staging of myocardial disease in the clinic. The central clinical aspect of the work will be complemented by validation using preclinical MRI, histology and synchrotron radiation imaging.

Cardiac diffusion MRI remains a challenging prospect. We are looking for an experienced and resourceful individual to undertake this significant programme of work. You will join an established team driving development of diffusion MRI in the heart, both in preclinical and clinical applications. You will have access to Siemens 3T Prisma and Bruker Biospec 7T MRI scanners, and be part of a stimulating and collaborative environment comprising leading scientists and clinicians.

To discover more and apply, please go to: https://jobs.leeds.ac.uk/vacancy.aspx?ref=MHLCM1174

Closing Date: 31st March 2019.