

**TITLE** *Postdoctoral Researcher: Medical Image Analysis*

**REF:**

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**Salary:** £40,173

**Hours:** Full time

**Contract Type:** Fixed Term

**Position Type:** Research

**School:** Life Sciences, Research Centre for Optimal Health

**Location:** 115 New Cavendish Street

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We are looking to recruit a Postdoctoral Researcher to join the Research Centre for Optimal Health, in the School of Life Sciences at the University of Westminster, to work on a research project funded by a major Internet Company.

This research project will focus on the development and application of novel image processing techniques (segmentation, registration, statistical shape modelling) to large collections of clinical MR images.

The project will be developing biomedical image processing, medical image computing, and machine learning with abdominal magnetic resonance imaging. The work will involve developing algorithms to investigate health using multi-modality MR images and will include distributed computing environments and cloud-based systems.

The successful candidate must be highly motivated and have an advanced degree (Ph.D.) in computer science, electrical or biomedical engineering, physics, statistics or related fields. Previous experience with research focusing on biomedical image processing, medical image computing, and machine learning is advantageous but not required. Previous experience with magnetic resonance imaging is also preferred. The candidate will be involved in developing algorithms to investigate heart failure using multi-modality cardiac MR images. The ideal candidate should have experience in programming languages such as C/C++ and Python. Experience with developing image-processing tools using the ITK/VTK environment or similar open-source software is a plus. Experience with distributed computing environments and cloud-based systems is also a plus.

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