Grade 8 Research Fellow
AI/Machine Learning (Clinical Bioinformatics) - 57933

This data science post is to join the Centre for Computational Biology and the Institute of Translational Medicine, working with Prof Georgios Gkoutos. The post holder will be responsible for facilitating the analysis of experimental and clinical data using mathematical and statistical tools, building up models that allow for prognosticating disease evolution, treatment outcome and resistance.

It is anticipated that the post holder will facilitate the analysis of experimental and clinical data to build up models allowing prognosticating disease evolution, treatment outcome, and resistance. We anticipate that new Machine Learning and computational methods will need to be developed to support this aim. An excellent network of biomedical and technological collaborations offers novel data types and datasets, as well as opportunities for discovery validation and translation into clinic or pharma by domain experts.

The postholder will be part of the Birmingham Experimental Cancer Medicine Centre (ECMC) that aims to improve the feasibility and quality of research in the areas of immunotherapy and gene therapy, translational genetics and biomarkers. The postholder will also be closely associated with the new HDR UK initiative and the Alan Turing Institute. The Midlands HDR UK provides access to large variety of multimodal and multidimensional datasets of approx. 5 million patients, including for example 4.8 million MRI images alone, and is concerned with the development of cutting-edge analytical tools and methodologies to address the most pressing health research challenges.

The duration for the post will be four years offering a considerable scope for innovation and academic development.

The position requires the ability to independently take responsibility over a scientific project, strong teamwork and communication skills, reliability, attention to
detail and effective time management. Applicants should have a PhD or equivalent experience in Computer Sciences, Mathematics, Statistics or Bioinformatics. Likewise, candidates with a sound data science background, and excellent quantitative skills are encouraged to apply. You'll need a relevant degree, at a minimum of a 2:1 classification or equivalent. Degree should have links with computational science e.g. computer science, mathematics, natural sciences and biological sciences.

Salary: Full time starting salary is normally in the range £39,993 to £47,722. With potential progression once in post to £53,690 a year.

Closing date: 07/06/2018

Reference: 57933