Senior Researcher in Biostatistics - Statistical Machine Learning and Image Analysis

Nuffield Department of Medicine - Oxford

Oxford, UK

16 days remaining

40,792 - £48,677 p.a.

We are looking to appoint two Senior Researchers to research novel statistical methods for the integrated analysis of clinical trial and omics data. They will provide biostatistical expertise to the Oxford-Novartis Collaboration for AI in Medicine, contributing to the study design and analysis of data alongside the development and application of new analytical methods.

Under the line management of Professor Chris Holmes and direction of Professor Gil McVean, this position will involve various aspects of statistics and machine learning in biostatistics to integrate the data provided by Novartis in order to provide a greater biological understanding of inflammatory and autoimmune diseases and how that underlies prediction of outcome. Whilst you will be prominently based the Big Data Institute, you will also be expected to spend time at the Department of Statistics as well.

You will support and collaborate with scientists and clinicians as part of the Oxford-Novartis Collaboration to help design and undertake the statistical analysis of various data modalities. In addition you will develop statistical solutions for integrated analysis of multidimensional “omics” datasets analysis linked to clinical outcomes.

You will also communicate on a regular basis with the Oxford-Novartis Collaboration lead investigators (Professors Holmes and McVean), and the wider team on all issues relating to statistical data analyses.

Applicants must hold or be close to completion of a PhD in statistics, statistical machine learning, biostatistics, statistical genetics or similar subject, good understanding and potential to implement statistical techniques used in clinical studies/genomic research. Experience in high-throughput data analysis, integration
and interpretation, preferably in human disease is essential. You will also have extensive research experience and an ability to develop research projects.

These full-time positions are fixed-term for 18 months in the first instance.

Further particulars, including details of how to apply, can be obtained from the document below. Applications for this vacancy should be made online and you will be required to upload a CV and supporting statement as part of your application.

The closing date for this post will be 12.00 noon on Friday 8 February 2019.