Research Associate (SL29277), MRC Biostatistics Unit, University of Cambridge

This is an exciting opportunity for an ambitious post-doctoral research associate to join the MRC Biostatistics Unit to carry out research within the Unit’s Precision Medicine theme.

The post-holder will focus on developing novel methodology and applying it to answer clinically-relevant questions, with the aim of improve scientific understanding and/or prediction for hospital patients using large, rich, raw observational clinical informatics datasets extracted from Electronic Health Records (EHR).

A particular focus of this position will be EHR data from Addenbrooke's hospital, an internationally-renowned teaching hospital in Cambridge. In 2014 was the first UK hospital to implement Epic’s fully electronic health record eHospital system. This provides a single, integrated EHR, with real-time information recorded at the patient's bedside, including observations, blood tests, procedures and medications. We have several on-going and emerging collaborations with clinicians, clinical scientists and other health care professionals at Addenbrooke's hospital seeking to improve scientific understanding of their patients and/or prediction of their clinical trajectory to support clinical decision making. The post holder will have the opportunity to take a central role in shaping and refining research questions; extracting and appraising relevant data from the EHR dataset; identifying, developing and applying appropriate analysis methods and tools for answering our collaborators’ scientific questions.

You will have, or be close to completing, a PhD in a strongly quantitative discipline, such as statistics. Prior experience of either applying or developing methodology relating to high-dimensional, structured data in a biostatistical settings is desirable but not essential. Relevant methods include dynamic prediction, dynamic treatment regimes, and time-to-event analyses. Experience of Bayesian statistics is also helpful, but not essential. You will have strong computational skills, particularly using R.

Please contact Robert Goudie with any informal enquiries: robert.goudie@mrc-bsu.cam.ac.uk

The Unit is actively seeking to increase diversity among its staff, including promoting an equitable representation of men and women. The Unit therefore especially encourages applications from women, from minority ethnic groups and from those with non-standard career paths. Appointment will be made on merit.

Fixed-term: The funds for this post are available for 2 years in the first instance.

Appointment at Research Associate level is dependent on having a PhD. Those who have submitted but not yet received their PhD will initially be appointed as a Research Assistant (Grade 5, Point 38 £30,497) moving to Research Associate (Grade 7) upon confirmation of your PhD award.

We welcome applications from individuals who wish to be considered for part-time working or other flexible working arrangements.

For further details and to apply see: https://www.jobs.cam.ac.uk/job/32666/

Closing date for applications is: 3rd January 2022

Interviews are likely to take place early January 2022.