



UNIVERSITY OF CAMBRIDGE

Postdoctoral Research Associate **Wellcome Trust-MRC Institute of Metabolic Science**

Vacancy Ref. RG09190 Salary: £28,982 to £37,768

Limit of tenure applies*

We are seeking to appoint a Postdoctoral Research Associate in Computational Biology to join our internationally recognised team led by Professor Sadaf Farooqi, Cambridge, UK and funded by the Wellcome Trust. Our aim is to understand the genetic and molecular basis of obesity and diabetes (Wheeler et al. Nature Genetics 2013; Pearce et al. Cell 2013; www.goos.org.uk). The team participates in a wide variety of collaborative projects, performing genomic variation analysis, disease mutation discovery, RNA sequence analysis to explore new pathways involved in the pathogenesis of obesity and diabetes. Your work will have important implications for the clinical management of patients, including the development of better patient stratification and the identification of novel therapeutic targets.

To be considered for this position, you must:

- have a PhD related to the use of computational or statistical analysis to decipher biological questions
- have experience in genomic/gene expression analysis, next generation sequencing analysis, high dimensional data integration, or biological network inference
- have at least one first-author publication in a high-profile, internationally recognised journal
- possess excellent organisational, communication, and interpersonal skills

You should have experience with:

- statistical analysis and a working knowledge of regression analysis, multivariate data analysis or linear/nonlinear mixed effects modelling

Candidates having strong programming skills and working experience in a Unix/Linux environment are preferred. You will be performing bioinformatics and statistical analysis, visualization and data interpretation of genomic, RNA sequencing, metabolomics and other data related to obesity, type 2 diabetes and its complications. You will use statistical and machine learning methods to identify genomic signatures associated with obesity-related phenotypes using high dimensional biological data.

Proposed start date: 18th July 2016 or as soon as possible thereafter.

Applications, including a full CV and a covering letter should be submitted on-line Ref. RG09190 on <http://www.jobs.cam.ac.uk/>

Informal enquiries can be made to Naomi Clark, Metabolic Research Laboratories, Level 4, Wellcome Trust-MRC Institute of Metabolic Science, Box 289 Addenbrooke's Hospital, Cambridge CB2 0QQ. Email: njc65@medschl.cam.ac.uk

Closing date: 30th June 2016.

* Fixed Term: The funds for this post are available until 30th November 2017 in the first instance.