



Postdoctoral Research Fellow – Epigenomics of Schizophrenia

We are seeking a highly motivated Postdoctoral Research Fellow to join the Complex Disease (Epi)genomics Group at the University of Exeter Medical School. The successful applicant will work on an interdisciplinary project that aims to characterize regulatory genomic variation in schizophrenia brain. We are a dynamic, interdisciplinary team including molecular biologists, geneticists, mathematicians and bioinformaticians. More information about the group can be found at: www.epigenomicslab.com.

Building on our previous work exploring epigenomic variation in schizophrenia this project involves profiling genomic signatures (DNA modifications, histone modifications, gene expression, alternative splicing) in purified neuronal nuclei isolated from a unique collection of post-mortem brain samples. Given the evidence for a neurodevelopmental component to the etiology of schizophrenia, we will also annotate patterns of gene regulation across development of the human cortex, enabling us to explore the hypothesis that disease-associated loci are dynamically regulated during this critical period.

You will play a leading role in this integrated-genomics project, exploring the dynamic regulation of gene function during human brain development and its relevance to the etiology of schizophrenia.

About you

We are particularly interested in applications from ambitious postdoctoral scientists with expertise in any of the following: molecular biology, epigenomics (DNA and histone modification analysis), genomic sequencing (ChIP-seq and Pacific Biosciences Iso-seq), applied mathematics, computational biology, or bioinformatics. Applicants may be either laboratory-based or informatics-focused; please state your preferred position in the application.

Applicants must possess a relevant PhD or equivalent qualification/experience in a related field of study. The successful applicant will be a nationally recognized authority in their area of expertise and possess sufficient specialist knowledge in the discipline to develop research programmes and methodologies. The successful applicant will also be able to work collaboratively, supervise the work of others and act as team leader as required.

The details

This MRC-funded position is available for three years from the 1st January 2018.

Salary: £34,520 to £42,418 depending on qualifications and experience

Job ref: P59725

Closing date: 06/11/2017

In addition to completing the online application form, applicants are requested to upload a detailed cover letter describing their suitability for this position and a key scientific publication.

For informal inquiries please contact: Jonathan Mill: j.mill@exeter.ac.uk

To apply, follow link from <https://jobs.exeter.ac.uk/>.