Research Associate in Statistical Geneticist/Bioinformatician
(Neuropsychiatric Disease Genetics)
Division of Psychological Medicine and Clinical Neurosciences
Cardiff University School of Medicine
College of Biomedical and Life Sciences

We have an exciting opportunity to appoint an enthusiastic statistical geneticist to the Huntington's disease (HD) genetics research team at Cardiff University. The post holder will deploy recently developed algorithms to call loci containing tandem repeat sequences from next generation sequencing data from multiple neurodegenerative disorders. These sequences will then be used to predict disease-relevant gene expression. The successful applicant will thus have the opportunity to take part in cutting-edge research investigating the complex architecture of Huntington's disease and other dementias.

The role holder will work independently and as part of a multi-disciplinary team, to perform self-directed analyses using in house and publicly available datasets for high impact, peer-reviewed publications. Applicants should be knowledgeable and enthusiastic with the ability to multi-task and communicate effectively. Core tasks will include data analysis and management of next generation sequencing data from neurodegenerative disease studies generated in house and with collaborators. Collaborative working is a key component of this role meaning that communication skills will be vital, in order to build links and cultivate international collaborations with a number of academic institutions.

The successful applicant will have a background in statistical genetics, biostatistics or statistics, with proven experience of extensive large-scale data analyses and manipulation, including analysis of next generation sequencing datasets. Expert knowledge of data manipulation in a UNIX/Linux environment and proficiency in high level programming languages such as Perl, Python, or C++ is essential. Knowledge of database technologies and SQL will be required. Knowledge of techniques used in genetics and epidemiology, as well as experience in using software used for the analysis of genomic data such as PLINK, is desirable.

The post is full-time (35 hours), available from 1st May 2018 and is fixed term for 12 months.

Salary: £32,548 - £38,833 per annum (Grade 6).

Closing date: Sunday, 29 April 2018

For more details, please contact Professor Lesley Jones (jonesl1@cardiff.ac.uk)