



**MRC collaborative project investigating the genetics of Parkinson Disease
Imperial College - Hammersmith Campus
Postdoctoral research position (Computational Genomics)**

We have an exciting opportunity to appoint a talented and ambitious post-doctoral research associate to join our multidisciplinary 3-year collaborative project, funded by the Medical Research Council entitled: “*An integrative transethnic approach to identify novel functional genes in Parkinson's disease using in silico and in vivo experiments*”.

This innovative project is a collaboration between centres at Imperial College and University College London. It will apply state-of-the-art analytical methods to integrate multi-ancestry genomic data to understand how genetic loci for Parkinson's disease (PD) confer risk of disease using *in silico* and *in vivo* experiments. The *in silico* work will focus upon how PD loci may confer risk of disease by altering the expression of neighbouring (*cis*-genes) and distal genes (*trans*-genes), while PD disease fly work will be used to functionally validate these genes.

The successful candidate will join a dynamic inter-disciplinary team of geneticists and clinicians with a wide range of expertise in genetics, functional genomics, statistics, and epidemiology at the [Genetics and Genomics](#) section at Imperial College (Dr Toby Andrew) and in collaboration with teams at UCL. Suitable candidates will have a strong background in genetics, computational biology, bioinformatics or statistics with a PhD in a relevant subject and will have experience in the analysis of genomic data and strong computational skills in a Linux environment. This full-time post is available for one year from the start date (with prospect of renewal for a further two years).

For further details, please see:
Imperial Job Advert ([MED03753](#))

Informal enquiries are encouraged before applying. Please contact Toby Andrew for more information: t.andrew@imperial.ac.uk - i am attending the ESHG in Glasgow and would happy to discuss the position over a coffee!

Selected candidates will be interviewed at Hammersmith Campus and a short tour will be provided on the day. We will also consider applications from candidates who do not hold a PhD if they demonstrate a good aptitude and are willing to be trained.

How to apply - As part of your application, please include:

- * A brief personal statement (no more than 1,000 words), explaining your interest in the project, your experience and why you are applying for the job
- * Your CV
- * The names and addresses of at least two academic referees

Closing date for applications: 21 June 2023