Computational Biologist

The Cancer Research UK Manchester Institute, Manchester, UK

Apply

- Salary within the range of £31,334 – £41,224 per annum (depending upon experience)
- Job Ref: MI/18/53
- Duration of post: Fixed term until 31st March 2022

About the role:

The overall goal of the Clinical and Experimental Pharmacology Group (CEP) in the CRUK Manchester Institute led by Professor Caroline Dive CBE, is to develop, validate, and implement biomarkers that facilitate the optimisation of cancer patient treatment – personalised medicine. In this regard, CEP is an acknowledged world leader in the study of minimally invasive biomarkers (liquid biopsies) suitable for patient monitoring. Our biomarker research integrates clinical, molecular and computational science into a highly interdisciplinary programme; advanced computational biology is critical to the biomarker agenda.

An exciting opportunity now presents for a Computational Biologist to join CEP, positioned within the newly established Manchester Centre for Cancer Biomarker Sciences (MCCBS) Bioinformatics and Biostatistics team (BBS). You will work alongside a multidisciplinary team of clinicians, biologists, chemists and computational scientists to analyse genomics data arising from patient tumours. These will include deep sequencing data arising from Circulating Tumour Cells (CTCs) and circulating tumour DNA (ctDNA), as well as proteomics, sequencing and functional genomics data arising from preclinical models. A major focus will be the establishment of novel computational strategies that integrate these different ‘omics datasets in order to advance our understanding of understand tumour heterogeneity.

About you:

You should have a PhD in Computational Biology/Bioinformatics, Mathematics (or related discipline) or a relevant postgraduate degree in a related discipline and significant relevant experience. You will be experienced in writing complex bodies of code and applying the appropriate statistical approaches to analyse high-throughput omics data sets. An understanding of cancer genomics and cancer biology are desirable.
You will have excellent communication skills and the ability to converse successfully with interdisciplinary collaborators from non-mathematical backgrounds. Experience of multidisciplinary teamwork would also be beneficial.

**Why choose Cancer Research UK Manchester Institute?**

The Cancer Research UK Manchester Institute ([www.cruk.manchester.ac.uk](http://www.cruk.manchester.ac.uk)), an Institute of The University of Manchester ([www.manchester.ac.uk](http://www.manchester.ac.uk)), is a world-leading centre for excellence in cancer research. The Institute is core funded by Cancer Research UK ([www.cancerresearchuk.org](http://www.cancerresearchuk.org)), the largest independent cancer research organisation in the world. We are currently situated at the internationally-renowned life sciences campus at Alderley Park in Cheshire England, 15 miles from Manchester, a vibrant and dynamic city surrounded by beautiful countryside.

We are partnered with The Christie NHS Foundation Trust (adjacent to the CRUK MI Paterson Building) in South Manchester ([www.christie.nhs.uk](http://www.christie.nhs.uk)), one of the largest cancer treatment centres in Europe. These factors combine to provide an exceptional environment in which to pursue basic, translational and clinical research programmes.

**How to apply?**

To apply for this position please visit our website: [http://www.cruk.manchester.ac.uk/Opportunities/Opportunities-Home](http://www.cruk.manchester.ac.uk/Opportunities/Opportunities-Home)

For any informal enquiries about this post, please contact Professor Caroline Dive CBE via email: caroline.dive@cruk.manchester.ac.uk

**Closing date: 22 July 2018.**

[https://www.statsjobs.com/job/computational-biologist/](https://www.statsjobs.com/job/computational-biologist/)