

Research Associate (Bioinformatics/Computational biology) (Fixed Term)

Neuroblastoma is a devastating paediatric cancer of the peripheral nervous system that causes 15% of all children's cancer deaths in the UK each year. Neuroblastoma arises from neuroblasts that fail to complete their normal developmental programme but are instead locked in a state of enhanced proliferation and inhibited differentiation. We are looking for a highly motivated bioinformatics/computational biology post-doctoral associate to join our collaborative research team. We aim to exploit an understanding of normal neuroblast developmental control to restart differentiation in neuroblastoma cells by targeting a key transcriptional network both genetically and with drugs.

The successful candidate will work alongside experimental scientists to formulate and test hypotheses that underpin a new approach to therapy for neuroblastoma, providing bioinformatic interpretation of genome-wide datasets generated by research scientists in the Philpott lab, as well as undertake integration with data from patient cohort datasets. Work includes bioinformatic analysis, data processing, statistical analysis, integration and visualization of disparate datasets, development of analysis workflows and training, data management and experimental design. The successful candidate will have the opportunity to work under their own initiative and apply their problem solving skills to troubleshoot challenging issues. There is potential for someone who is primarily bioinformatically-focussed to also take part in experimental work if desired and time permitting. Applicants will have a PhD (or equivalent) and sufficient experience of genome-wide analysis techniques to work independently and within a group.

Our group is embedded within the world-class infrastructure on the Cambridge Biomedical Campus, in the Department of Oncology at the University of Cambridge (<https://www.oncology.cam.ac.uk/research/>) and will be moving to the newly constructed Wellcome-MRC Cambridge Stem Cell Institute (<https://www.stemcells.cam.ac.uk>) from October 2018. We work closely with Dr Jason Carroll in the CRUK Cambridge Institute, Prof. Ben Simons in the Stem Cell Institute and other research groups nationally and internationally to advance research on developing new treatments for neuroblastoma. Please contact Prof. Anna Philpott (ap113@cam.ac.uk) with any informal enquiries. Fixed-term: The funds for this post are available for 3 years in the first instance.

For further information and to apply for this position, please visit:

<http://www.jobs.cam.ac.uk/job/17051/>

The closing date for applications is 29th April 2018, with interviews yet to be confirmed by the department.

Please quote reference RD15149 on your application and in any correspondence about this vacancy.

The University values diversity and is committed to equality of opportunity.

The University has a responsibility to ensure that all employees are eligible to live and work in the UK.