Research Associate Positions (Neuroblastoma) (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. The aim of the Philpott lab is 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. We are looking for a Research Associate to join our collaborative research team.

The first position will comprise of the investigation of the genome-wide effects of post-translational regulation of key transcription factors in Neuroblastoma cancer cells. The second position will comprise of the investigation of the interaction between MYCN and other transcriptional regulators of neuroblast proliferation and differentiation in neuroblastoma cancer cells. Both position will also involve the study of drugs that target high level transcription of oncogenic proteins and epigenetic regulators to develop new methods of targeting neuroblastoma therapeutically.

The successful candidates will work closely with group members and collaborators using a variety of cell culture and genome-wide analysis techniques, along with biochemical and molecular biology approaches. Organisational skills and experience with tissue culture is a requirement for these posts. Previous experience of genome-wide analysis methods would be an advantage.

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 either or both of these positions, please visit:
http://www.jobs.cam.ac.uk/job/17033/
http://www.jobs.cam.ac.uk/job/17035/
The closing date for applications is 29th April 2018, with interviews yet to be confirmed by the department.
Please quote reference RD15133/RD15135 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.