Postdoctoral Position in Prostate Oncobiology

*Cellular Heterogeneity. Prostate stem cells niche. Therapy resistance*

We are looking for a highly-motivated Postdoctoral Scientist to join Dr Baena’s Prostate Oncobiology group. The work of Dr Baena’s group is focused on dissecting the role of prostate progenitor subpopulations on aggressive prostate cancer initiation to identify novel therapeutic targets.

A major challenge in prostate cancer management is to distinguish indolent from aggressive prostate cancer as a consequence of genetic and cellular heterogeneity. Our current studies suggest that this cell-of-origin model may have implications for the development of castrate resistant disease. The successful applicant will work on a project delineating castration-resistant cancer initiation to develop novel biomarkers and therapies. A particular focus of this project is the understanding of the transcriptional program of the newly identified castration-resistant tumour initiating cells, and to functionally characterize how these cells contribute to disease progression.

The successful candidate must hold a PhD in a relevant related subject and have research laboratory experience. They will be well-grounded in basic cellular and molecular biology and have experience of working with *in vivo* cancer models. They will have significant experience of cell culture, particularly *in vitro* 3D culture systems and handling primary cells. Profound experience in FACS analyses and lineage tracing work is also essential for this position.

For any informal enquiries about this post, please contact Dr. Esther Baena, via email: esther.baena@cruk.manchester.ac.uk

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 Manchester Cancer Research Centre (MCRC) in South Manchester and life sciences campus at Alderley Park in Cheshire England. We are adjacent to our partner hospital, The Christie NHS Foundation Trust 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.

Competitive salary and benefits are offered. **Deadline 17th September 2017**

To apply for this position (MI-1746r) please visit [http://www.cruk.manchester.ac.uk/Jobs?jobId=293](http://www.cruk.manchester.ac.uk/Jobs?jobId=293). We encourage all applicants to provide a short statement explaining their specific reasons for joining this group.