Research Fellow in Hematovascular Development

Grade 7 (£32,995-£42,998). Post available for 3 years from 01/06/2023.

Deadline for application: **06/03/2023, 11:59 PM GMT.**

A Postdoctoral Research Assistant position is available at the Institute of Cancer and Genomics, University of Birmingham in Dr Rui Monteiro’s group to investigate the role of epigenetic regulation of haemato-endothelial cell differentiation by histone deacetylases (HDACs), a project funded by the British Heart Foundation. The project aims to understand how epigenetic regulation of gene expression by HDACs determines how endothelial and haemogenic cellular identities are established and maintained in early vertebrate development. The post holder will use selective HDAC inhibitors, CRISPR/Cas9 functional screening, live imaging and epigenetic and transcriptional profiling in zebrafish and in human embryonic stem cell (hESC)-derived organoids. The project is a collaboration with Prof Constanze Bonifer (University of Birmingham) and Dr Sascha Ott (University of Warwick).

The successful candidate should have a PhD (or be close to completion) in genomics, genetics, developmental biology or a life sciences related field. They should provide evidence of expertise in general molecular biology techniques (CRISPR/Cas9 genome editing, DNA and RNA extraction, PCR, quantitative PCR), flow cytometry and bioinformatics (sequence and genomics/transcriptomics data analysis). Experience working with zebrafish or human ESCs is an advantage but training will be provided as required. The post holder will be expected to contribute to the general laboratory upkeep, prepare manuscripts using high-quality data, make oral presentations, attend scientific meetings and help supervise postgraduate students.

The Monteiro Lab promotes equality and supports researcher development in an inclusive working culture.

Informal enquiries should be directed to Dr. Rui Monteiro ([r.monteiro@bham.ac.uk](mailto:r.monteiro@bham.ac.uk))


The post is available from the 1st June 2023 for 3 years.

The University of Birmingham offer access to a generous pension scheme, 40 days leave per year (including 8 bank holidays and 7 closed days), tax-efficient workplace pension schemes, travel schemes to help with the commute and initiatives to support development and growth for all of our staff. Full staff benefits are summarized here: [https://www.birmingham.ac.uk/jobs/staff-benefits](https://www.birmingham.ac.uk/jobs/staff-benefits).

Valuing excellence, sustaining investment

We value diversity and inclusion at the University of Birmingham and welcome applications from all sections of the community and are open to discussions around all forms of flexible working.