



POSTDOCTORAL FELLOWS X 3

Applicants are sought for postdoctoral positions in the lab of Andrew Jackson. We are seeking enthusiastic and committed researchers with experience in genome integrity, DNA replication, innate immunity or stem cell biology.

Microcephaly to Mechanism:

Our overall goal is to define the pathological mechanisms underlying microcephaly, and in so doing answer fundamental biological questions, such as:

- how damaged genomic DNA is sensed following DNA damage to drive inflammation and counter cellular transformation
- how DNA replication and DDR pathways interacts with cell fate decisions
- how cell number is defined during development to determine organism size

The lab is multidisciplinary, dynamic and international with sustained productivity with 12 papers in Cell and Nature journals in the last ten years (*Nat Genet* **51**:96 (2019), *Nature* **559**:285 (2018), *Nature* **548**, 461 (2017)). Our work is strongly supported by funding from the Medical Research Council and an ERC Advanced Grant. Expertise in the lab extends across molecular genetics, biochemistry, cell biology, stem cells/organoids, model organisms and computational approaches.

Positions available:

Postdoctoral Researcher 1: **Intracellular surveillance of genome instability to prevent cancer** (ref. 046743)

Postdoctoral Researcher 2: **The replication fork in genome stability and development** (ref. 046848)

Postdoctoral Researcher 3: **Being the right size: the cell biology of fate and number** (ref. 046847)

For further details on the research group:

www.ed.ac.uk/mrc-human-genetics-unit/research/a-jackson-group

Informal enquiries to Andrew Jackson: Andrew.jackson@igmm.ed.ac.uk

For more information and details of how to apply: www.ed.ac.uk/igmm/work-with-us/vacancies



THE UNIVERSITY
of EDINBURGH