



**Postdoctoral research associate:
The innate immune response to DNA damage
(£27,285 - £38,832)**

We are looking for a postdoctoral researcher to join our team to investigate the innate immune response to DNA damage in human cells. The position is available for 2 years in the laboratory of Dr Leonie Unterholzner in the Division of Biomedical and Life Sciences at Lancaster University, UK, and is funded by the Medical Research Council and North West Cancer Research.

Our lab investigates how cells detect intracellular DNA during infection and injury (see Almine *et al.*, 2017, Nature Communications 8:14392). While the detection of cytosolic DNA is increasingly well understood, it is still unclear how the innate immune system can detect viral DNA or DNA damage in the nucleus. In this project you will investigate the molecular mechanism of nuclear DNA recognition, and the resulting signalling cascades that initiate an innate immune response after DNA damage in human cells.

You are required to hold a PhD in a relevant field, have a strong background in molecular and cell biology techniques and an interest in the DNA damage response and innate immune signalling. Experience in the analysis of post-translational modifications, protein-protein interactions and proteomics approaches would be an advantage. We are looking for a highly motivated individual with excellent communication skills and the capacity to work well in a team.

Our lab and the Division of Biomedical and Life Sciences is a friendly research environment that strongly supports the individual needs of each employee and which actively promotes a healthy work-life balance. The Faculty is committed to family-friendly and flexible working policies and has held a Silver Athena SWAN award since 2014 in recognition of its good employment practice undertaken to address gender equality in higher education and research.

Informal enquiries are welcome. Please contact Dr Leonie Unterholzner (l.unterholzner@lancaster.ac.uk) for more information.

We welcome applications from people in all diversity groups.