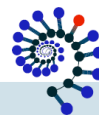




WELLCOME TRUST CENTRE for

Gene Regulation & Expression



Postdoctoral positions to work on SUMO and Ubiquitin.

Enthusiastic and highly motivated postdoctoral scientists are sought to work on the role of ubiquitin and SUMO in pathways contributing to disease in humans. The successful applicants will join a team of researchers tackling these problems in the laboratory of Ron Hay. This is a well resourced laboratory in the College of Life Sciences which has excellent facilities for high-resolution mass spectrometry, X-ray Crystallography, light and electron microscopy, flow cytometry and whole genome siRNA screening.

MRC funded 4 year posts (X2)

This project will investigate the links between SUMO modification and ubiquitin mediated proteolysis (see Nat Cell Biol. 2008 10:538-46). Specific objectives are to establish the function of the SUMO specific ubiquitin E3 ligase, Rnf4 in genome stability and transcriptional regulation.

SCILLS funded 4 year posts (X2)

These scientists would work within the new SCottish Institute for ceLL Signalling (SCILLS). The successful applicants will identify new targets in the Ubiquitin and Ubiquitin-like protein systems that play key roles in biological pathways linked to disease processes. siRNA screening will be employed for target identification and pathways in which they participate delineated by quantitative proteomics and functional analysis. All necessary robotic and informatic infrastructure is already established in Dundee.

BBSRC funded 2.5 year post

The successful applicant will determine the structure and establish the function of the SUMO specific protease SENP7. Structural determination would follow previously successful approaches (see Nature Struct Mol Biol. 2006 13:1069-77) and be carried out within the Scottish Structural Proteomics Facility, a joint venture between the Universities of St Andrews and Dundee.

Applicants for the above posts should have excellent skills in one or more of the following; biochemistry, structural biology, molecular biology, proteomics, cell biology and be capable of working independently.

Informatics Data Manager 4 year post

The successful applicant will work within the new SCottish Institute for ceLL Signalling (SCILLS). This post will involve the administration and management of a database supporting RNAi screening and requires close and effective team working with life scientists and existing informatics groups. Candidates are expected to have a Masters in Life Sciences or Informatics or have equivalent experience and an interest in large volume data storage and mining. Previous experience of operating ActivityBase™ will be a distinct advantage. Experience with Linux/Unix systems as well as Windows is essential, particularly with regards RDBMS. A working knowledge of Oracle is also desirable. Additional professional training can be provided.

Informal enquiries may be made to Professor Ron Hay, e- mail: r.t.hay@dundee.ac.uk .

Applications in the form of a CV and covering letter, including the names and addresses of 3 referees, should be sent to HR-LifeSciences@dundee.ac.uk Alternatively, please send 2 copies of your CV and covering letter to Human Resources, College of Life Sciences, MSI/WTB/JBC Complex, University of Dundee, DD1 5EH.

A few facts about the College of Life Sciences at Dundee:

The College of Life Sciences has over 750 research and support staff from 54 countries and an annual research turnover in excess of £20 million.

According to Thompson Scientific of Philadelphia, based on citations per paper over the last 10 years, Dundee is the top University in Europe in 'Biology and Biochemistry' and 2nd in Europe in 'Molecular Biology and Genetics'.

Dundee has twice been named 'the best place to work in Europe' in a poll of scientists conducted by The Scientist magazine.

In addition to an excellent scientific environment Tayside offers an affordable standard of living in an area of outstanding natural beauty situated beside the sea and close to the Highlands of Scotland.