

JOB DESCRIPTION

Experimental Officer in Accelerator Mass Spectrometry (AMS-UK), Department of Engineering
Vacancy Ref: A2912

Job Title: Experimental Officer in Accelerator Mass Spectrometry	Present Grade: 7P
Department/College: Engineering	
Directly responsible to: Professor Malcolm Joyce	
Supervisory responsibility for: N/A	
Other contacts Internal: Colleagues in Engineering, the wider Faculty of Science and Technology and Facilities, postdoctoral researchers, postgraduate research students, University services, central administration, ISS and library. External: Colleagues in cognate groups in other institutions on a wide international basis, the National Nuclear User Facility (NNUF) management group, NNUF partners in the UK, accelerator mass spectrometer users and system providers.	
Major Duties: 1. To liaise with the suppliers of the AMS-UK apparatus, corresponding teams in Facilities at Lancaster and oversea installation and commissioning of the AMS-UK facility from an academic university perspective. 2. To be responsible for the day-to-day running of the UK Accelerator Mass Spectrometer (AMS-UK) instrument and ancillary laboratory facilities within the Engineering Department at Lancaster, as part of the National Nuclear User Facility (NNUF). 3. To stimulate and manage external access to the AMS-UK instrument, including scheduling, access prioritisation and access charging. 4. To help undertake research that utilises the AMS-UK facility, leading to high impact publications, outputs and particularly supporting on-site engagement with the external user community. 5. To implement relevant quality management systems of operation, such as UK Accreditation Service and ISO, including 6-weekly reporting to sponsors and their representatives. 6. To implement best working practice through a series of Standard Operating Procedures (SOPs), including the writing of new SOPs as required. 7. To carry out risk assessments, update Control of Substances Hazardous to Health (CoSHH) information and local rules evidencing ionising radiation regulations compliance, and generally provide a safe working laboratory environment. 8. To contribute to the supervision of research projects and assessment, thus aiding the development of new projects (both academic and industrial) and provide high-level, experimental support for our research staff, postgraduate students and project students. 9. To carry out routine maintenance of the AMS-UK and any ancillary equipment and laboratories. This will include the scheduling of service contract and maintenance visits from the instrument suppliers. 10. To undertake administrative and other duties as may be directed by the Principal Investigator on the AMS-UK grant and the Head of Engineering.	