

THE UNIVERSITY OF MANCHESTER
PARTICULARS OF APPOINTMENT
FACULTY OF SCIENCE AND ENGINEERING
FACULTY OFFICE - SCIENCE AND ENGINEERING
NUCLEAR COMPLIANCE TEAM – HEALTH PHYSICIST
VACANCY REF: SAE-022941

Salary: Grade 6 £36,024 to £44,263 per annum
Hours: 1 FTE/ 35 hours per week
Duration: Permanent
Location: Oxford Road, Manchester

Enquiries about the vacancy, shortlisting and interviews:

Manager: James Schofield

Email: james.schofield-2@manchester.ac.uk

Overall Purpose of the Job:

The post holder will be responsible for supporting the implementation, commissioning, management, and operation of the University's new alpha radionuclide laboratory capability, including assisting development of protocols, procedures and systems for the transport, storage and safe handling of alpha bearing materials to support research activities within an academic facility. The person appointed will report to the Nuclear Compliance Team - Safety Lead and will work in the newly formed Nuclear Compliance core team, comprising the NLCM; Safety, Security, and Environmental leads; and Project Co-Ordinator, and with the associated Academic and Technical teams.

The post holder will support the Safety Lead in discharging the University's obligations under Health and Safety Regulations, Environmental Permitting Regulations, and associated regulations. The post holder will support smooth implementation of Environmental and Radiological Safety compliance of work within the University as required.

Key Responsibilities, Accountabilities or Duties:

- Support the Nuclear Compliance core team leads, project and technical teams on health physics issues, advising on adequate radiological protection arrangements, and supporting in the review of risk assessments.
- Develop and maintain area designations, dose limitations/personal alarm limits for work areas.
- Manage the daily and weekly routine monitoring and post monitoring clean down.
- Dosimetry lead, collaborating with the dosimetry provider and occupational health to manage worker dose and investigating and reporting on issues.
- Train users in the appropriate use of monitoring equipment.
- Lead on radiological monitoring equipment calibration and maintenance.
- Report on results of equipment calibrations / maintenance and surveys and indicate impact and mitigations for changes in operations.
- Undertake a key role (e.g., Emergency Health Physicist) in the event of an emergency associated with the laboratories.

PERSON SPECIFICATION

Essential Knowledge, Skills and Experience:

The post holder should possess the following skills, knowledge and qualities:

- Hold a good engineering / scientific degree with specific additional technical qualifications in Radiation Protection. RPA accreditation would be beneficial.
- Proven track record in radiological protection role (Radiation Protection Supervisor, Health Physicist or Radiation Protection Advisor) including several years detailed experience of:
 - Developing Radiological Risk assessments
 - Specification and management of dose monitoring
 - Experience of contamination monitoring
 - The Ionising Radiation Regulations
 - Assessing radiation risks associated with proposed operations or modifications of higher hazard radionuclide laboratories. E.g. Applying safety assessment and dose assessment methodologies and interpreting their results.
- Knowledge of relevant legislation and regulatory framework, and experience of advising compliance.
- Previous experience of “hands-on” glove box operations would be a distinct advantage
- Good interpersonal skills and experience of interpreting and presenting complex issues in a clear simple way
- Able to apply technical knowledge and experience to make judgement decisions on a broad range of technical disciplines.
- Able to work in the facility/on-site full time.
- Able to be part of an on-call rotor for emergency response.
- Able to pass and maintain BPSS/CTC