Science and Technology Facilities Council
ISIS Neutron and Muon Source

2026 ISIS FAP MEMBER VACANCIES – REQUIRED EXPERTISE

FAP	Required Expertise
FAP1a **Crystallography**	Three vacancies with expertise in: • Vacancy 1: 'energy storage materials' and 'battery materials' • Vacancy 2: 'Earth and Planetary Science' • Vacancy 3: 'Chemical Crystallography'
FAP1b **Crystallography**	Two vacancies – one for next panel in June one for the following panel in December. • Vacancy 1 (next panel) - Expertise in 'Complex magnetic structures' and 'Multi-k structures' • Vacancy 2 (panel after next) - Expertise in '2D materials' and 'thin films'
FAP2 **Disordered Materials**	Two vacancies starting from June 2027 (assuming December 2026 won't happen) • Vacancy 1 – Expertise in liquid state chemistry and catalysis • Vacancy 2 – Expertise in glassy, disordered or nanostructure materials structure
FAP4 **Excitations**	No vacancies
FAP5 **Molecular Spectroscopy**	No vacancies
FAP6 **Muons**	Four vacancies – two for the June panel and two for the Dec panel From June 26 • Vacancy 1: expertise in muon experiments on semiconductors, with additional experience in magnetism desirable • Vacancy 2: expertise in muon elemental analysis and energy materials From Dec 26 • Vacancy 3: expertise in muon chemistry • Vacancy 4: strong expertise in measuring quantum magnetism with muons, with additional experience in superconductivity desirable.
FAP7 **Engineering**	Two vacancies with expertise in • Neutron imaging and diffraction of energy materials, including operando studies of batteries, fuel cells and electrolysers • Advanced neutron radiography and tomography, encompassing energy-resolved, Bragg-edge and polarised imaging methods • Quantitative texture, strain and residual stress mapping using neutron diffraction and imaging
FAP8 **Small Angle Neutron Scattering**	There will be four vacancies, and we seek expertise in the areas of colloids, biology, lipids, green energy, food science, polymers, soft materials, surfactants, engineering materials (alloys), and hard matter, including quantum materials and nanomagnetism.
FAP9 **Reflectometry**	One vacancy with expertise in lipids, surfactants, biology and soft-matter.
FAP10 **Chip Irradiation**	One vacancy with expertise in neutron detectors, and/or nuclear measurements, and/or neutron testing
FAP11 **Cultural Heritage**	One vacancy with expertise in conservation science and the development and testing of new methods for conservation, preferably direct experience with collections.