

ACF Core Surgical Training Programme Details in conjunction with the University of Manchester

Recruitment to posts starting in August 2021

Post availability

There is one post available in either General Surgery OR Neurosurgery OR Plastic Surgery.

- General Surgery – You can apply at ST1 & ST3 level in this round of recruitment.
- Neurosurgery – You can apply at ST1 level in this round of recruitment.
- Plastic Surgery – You can apply at ST3 level in this round of recruitment.

Please note if you are appointed at ST1 level, you will be placed in an appropriate Core Medical Training track until you reach ST3 level.

Overview

You can find generic information about Academic Clinical Fellowships in the North West plus links to the National Institute for Health Research's guidance via <https://www.nwpgmd.nhs.uk/nih-academic-clinical-fellowships-glance>

Academic Plastic Surgery in Manchester is nationally leading with a strong clinical-academic consultant body undertaking clinical and laboratory-based research. There are opportunities for research in all fields of soft tissue reconstruction.

Academic Training

ACFs will undertake a clinical or lab-based research project (offered through the MRes Medical Sciences at the University of Manchester) to produce data towards a compelling PhD proposal. All projects will offer interdisciplinary training (utilising cutting edge new technologies) spanning from engineering to cell-matrix biology. PhD projects are co-supervised by scientists and clinicians (from an interdisciplinary pool of >50 internationally leading researchers) in clinical fields aligned with Plastic Surgery: wound healing/burns, musculoskeletal tissue regeneration, regulation of inflammation and fibrosis, nerve injury/repair, tendon repair, vascular repair, 3D bioprinting, vascular tissue engineering, and tissue transplantation. With this approach, the research component will be tailored to specific academic/clinical interests of ACFs with world-class scientific supervision.

Research Areas / Research Environment

Our clinical research is undertaken at the regional clinical unit in Wythenshawe Hospital, Manchester University NHS Foundation Trust where there are current clinical trials on peripheral nerve and tendon injuries, complex wounds, trauma, rehabilitation and burns. These are funded by the NIHR, allied charities and industrial links.

Our laboratory-based research is undertaken at the Blond McIndoe Laboratories at the University of Manchester examining new approaches to cell-based therapies incorporating stem/progenitor cells and tissue-engineering including use of novel materials/scaffolds such as graphene. We are integrated with the Division of Cell Matrix Biology and Regenerative Medicine which contains >30 leading academics and clinicians undertaking pioneering fundamental science and translational research in a world-class environment, supported by a collaborative and interdisciplinary culture, and excellence in training.

Research Facilities

The Blond McIndoe Laboratories uniquely employs scientists and surgeons, side by side, allowing this combination of different academic training to explore the scientific and clinical problems examined in various projects. The lab includes a fully equipped cell culture laboratory, microscopy, immunohistochemistry, molecular biology including qRT-PCR and Western blotting. We have access to the University of Manchester's world-leading core facilities in advanced bioimaging microscopy, bioinformatics, proteomics and a state-of-the-art animal experimentation facility managed by animal care professionals.

Clinical Training

You can find out more about the clinical training programmes in the North West via the following link - <https://www.nwpgmd.nhs.uk/specialty-schools>

Clinical person specifications can be found via the following link - <https://specialtytraining.hee.nhs.uk/Recruitment/Person-specifications>.

Useful Links

<https://www.oriel.nhs.uk/Web/Vacancies>

<https://www.nwpgmd.nhs.uk/nihr-academic-clinical-fellowships-glance>

<https://specialtytraining.hee.nhs.uk/Recruitment/Person-specifications>

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