Job Description

NIHR Academic Clinical Fellowship

One post is available for a candidate wishing to apply for an Academic Clinical Fellowship at ST3 level within Intensive Care Medicine (ICM)

ST3 (1 post) –NIHR Response Mode – Intensive Care Medicine

The University of Sheffield, in partnership with NHS England North East and Yorkshire and the Sheffield Teaching Hospitals NHS Trust, has developed an exciting pathway of academic clinical training opportunities.

Applications are now invited for an Academic Clinical Fellowship in Intensive Care Medicine Research at ST3 level for ICM. This new post has been created as part of the NHS England (NHSE)/National Institute for Health Research Trainee programme of Integrated Academic Training. It offers candidates a comprehensive experience of clinical academic medicine working alongside internationally renowned clinicians and researchers.

We are seeking highly motivated, enthusiastic individuals with the potential to excel in both their clinical and academic training and who have the ambition to be part of the next generation of academic clinicians.

This Academic Clinical Fellowship (ACF) programme in Clinical Education Research will be run by the University of Sheffield, Sheffield Teaching Hospitals NHS Trust and NHS England North East and Yorkshire.

Academic Clinical Fellowships (ACFs) are 3-year fixed-term national training posts. They attract an NTN(A) and trainees undertake 75% clinical and 25% educational research training over the term of the post. They are employed by the NHS Trust and have an honorary contract with the University at whose Medical School their academic research is supported.

The resident doctors undertake a Research Training Programme provided by the University, for which funding is provided by NIHR. They are also eligible for a £1,000 bursary per year to support research training activity (e.g to attend academic conferences).

ACF trainees would normally be encouraged to complete and submit an external funding application for a research fellowship to enable them to complete a higher degree (PhD or research MD) following the completion of their ACF fixed-term post, which would be completed as Out-of-Programme-Research (OOPR).

POST DETAILS

Job Title

NIHR Academic Clinical Fellow (ACF) – Intensive Care Medicine Research

Duration of the Post

Up to 3 years (25% academic, 75% clinical).

Lead NHS Hospital/Trust in which training will take place

Sheffield Teaching Hospitals NHS Trust.

Research institution in which training will take place

The School of Medicine and Population Health

One of the three Schools in the Faculty of Health at The University of Sheffield, the School of Medicine and Population Health has hosted Academic Clinical Fellowships in over 35 specialties.

The school has a track record of NIHR support for ACFs and ACLs with good career progression in interdisciplinary health service research teams. Furthermore, there is rich experience of innovative interdisciplinary training in NIHR priority themes such as Older Adults with Complex Care and Dementia for ACFs, and ACLs in Oncology, GP and Surgery. The faculty boasts several flagship institutes such as Neuroscience and Healthy Lifespan, and you will benefit from the multidisciplinary research teams who are working on projects of international importance, such as improving understanding of developmental neurological disorders, the global epidemic of multi-morbidity and frailty with a mission to prevent or delay multi-morbidity.

Clinical academic training is provided at all levels of medical career progression at Sheffield:

- Medical student SSC modules alongside established projects
- One-year intercalated BMedSci degrees
- 4-month foundation year 2 attachments
- Three-year academic clinical fellow posts
- Full-time MD/PhD research fellowships
- Four-year clinical lecturer posts

The Critical Care Medicine Team at Sheffield have a track record of research supervision at various levels from BMedSci to PhDs covering a multidisciplinary array of candidates. There is expertise, and there are joint projects available in several areas, including clinical education research, safety and respiratory and perioperative support within the team.

Research Protected Time:

The post will be split so that 9 months (25%) are spent undertaking research-related activities and 27 months (75%) in clinical activities in Intensive Care Medicine.

Academic Clinical Fellowship Training Programme: Research Component

The research component will be based in the Division of Clinical Medicine. Supervision will vary depending on the project and work selected.

If the intensive care/education project is most appropriate, the project will be based around novel methods of learning and teaching to educate staff in aspects of critical care medicine. This could include respiratory support and ventilation. The intensivist in training/resident doctor will have access to methodological expertise in all aspects of academic programme development, assessment and educational research skills. Educationalists at the Division of Clinical Medicine are involved in a range of national and international collaborations to innovate education and programme delivery. There is expertise in simulation-based training and digital education. The fellow will have the opportunity to work within an existing medical education project or develop their own area of research interest. Example research opportunities include projects in simulation, such as designing a simulation programme, investigating psychological safety in simulated learning environments, or improving consistency in the practice of intensive care unit (ICU) multidisciplinary teams, for example, in the choice of mode and settings of ventilation through digital education to improve safety and optimisation of practice.

The department has expertise in safety and safety-related research, which is highly applicable to many aspects of critical care, including ventilation and critical care drug therapy/pharmacy-related interventions. Projects are available in this area.

The department has a track record in research around respiratory support and has close connections with ventilatory research teams nationally and internationally, and also has links to perioperative care programs such as Active Together, which have been successfully integrated into clinical care across Sheffield and South Yorkshire.

The research element can be completed flexibly and agreed upon with your speciality lead. Several options are possible, such as a concentrated block of 9 months full-time in the second year, or dividing this over three years, or day release each week, totalling the equivalent 25%/75% academic/clinical split, depending on what suits the candidate's project/academic supervisor. If the successful candidate selects the medical education project, they will have the opportunity to undertake the PGCert in Medical Education or select modules from it as it fits in with their aspirations. This will provide grounding in programme development, assessment design and educational principles.

Academic Clinical Fellowship Training Programme: Clinical Component

Resident doctors in the ACF post will work in suitable training rotations within intensive care medicine. Teaching hospital +/- DGH posts may be appropriate and will be arranged depending on the needs of the successful candidate.

This is a 3-year program commencing at ST3 (25% research time and 75% clinical), rotating around the appropriate specialties and ICM units in South Yorkshire to gain the capabilities for stage 1 and moving onto stage 2 training, whilst working towards the FFICM. There are opportunities for simulation at the Mexborough Montague Simulation Centre and the ICM simulator facilities at the NGH Intensive Care Unit in Sheffield. On-call will be adapted to meet the needs of the ACF program and research time requirements and to take into account clinical shift patterns and training needs.

The ACF will take part in the normal postgraduate education, audit and teaching. The unit has a history of research in respiratory/ventilatory support and safety as well as experience

in education and simulation. The directorate has previously provided supervision for BMedSci and PhD students.

Post Details

JOB TITLE: NIHR Academic Clinical Fellowship in Intensive Care Medicine

BRIEF OUTLINE:

The clinical programme is designed to provide training starting at ST3 level for Intensive Care Medicine for a period of 3 years. Further details of the Specialist Registrar rotation for South Yorkshire are provided in the attached document.

Candidates will also need to apply successfully for a National Training Number in Intensive Care Medicine through the National ICM recruitment process in order to take up the post. (https://icmnro.wm.hee.nhs.uk/). The website is normally updated close to the time of application for an NTN. Upon successful appointment to the ACF and the National ICM training, the location of the training number will be matched to the location of the ACF post.

Objectives of the Training Programme:

1. To undertake Intensive Care Medicine training commencing at ST3
2. To undertake a generic programme in Clinical Research, which may, if appropriate, be related to Clinical Education Research.
3. To identify an area of academic and clinical interest upon which to base an application for an externally-funded PhD programme.

Trainee progress

Typically, the academic aim would be to achieve a successful application for an externally funded research fellowship leading to a three-year out-of-programme PhD or a clinician scientist fellowship. The candidate will also aim to achieve the clinical standard required of the post. If the post-holder does not achieve the expected clinical competencies, this will be handled in the same way as for all other trainees in speciality medicine.

Continuation in a run-through ICM training programme after the 3 years ACF will depend on sufficient progress in both clinical and academic training during the ACF.

If the post-holder fails to achieve academic competencies or is unsuccessful in obtaining research funding, they would be expected to return to a clinical training post. The aim will be to discuss this in good time with the Training Programme Director (TPD), through the system for appraisal and mentoring of academic trainees. Whilst no guarantee of an appropriate post is possible, every effort will be made to accommodate such individuals within the local training schemes.

CONTACTS

Academic Leads and Supervisors:

Academic, educational and clinical supervisors will be assigned to the successful candidate to match the needs of the project and the individual.

Prof Gary Mills, Honorary Professor of Critical Care and Peri-Operative Medicine, University of Sheffield, and Consultant in Intensive Care Medicine g.h.mills@sheffield.ac.uk

Dr Matt Needham, Consultant in Intensive Care Medicine, matthew.needham2@nhs.net

Prof Richard Bourne, Honorary Professor of Critical Care Pharmacy, University of Sheffield, and Consultant Critical Care Pharmacist, richard.bourne1@nhs.net

Dr Max Richardson, Consultant in Intensive Care Medicine, max.richardson@nhs.net

Training Programme Director (clinical):

Dr Kris Bauchmuller, Training Programme Director for ICM and Consultant in Intensive Care Medicine, kris.bauchmuller@nhs.net

Dr Helen Ellis, Regional Advisor for ICM training and Consultant in Intensive Care Medicine, helen.ellis21@nhs.net.

Academic Training Programme Director

Professor Janet Brown, j.e.brown@sheffield.ac.uk

Further Information

The clinical component of the post will include rotations to complete stage 1 ICM training and then make progress with stage 2 ICM training.

Details will vary depending on the route of entry into the training programme at ST3, and an individual training plan will be created together with the ICM TPD. Completion of stage 1 ICM training requires 4 years of dedicated training, with at least 12 months each in ICM, Anaesthesia and Acute Internal Medicine. Further information can be found on the FICM website: https://www.ficm.ac.uk/

The post-holder should work towards the FFICM exam during the 3 years in order to give the best chance of making smooth progress through future clinical as well as academic training."

Academic Recruitment | Health Education Yorkshire and Humber (yorksandhumberdeanery.nhs.uk)

National recruitment link to ICM that details the entry criteria including prior training route and exam requirements at ST3 entry. Intensive Care Medicine ST3 2024 | Medical Hub (hee.nhs.uk).

https://medical.hee.nhs.uk/binaries/content/documents/medical/components/national/downloads-card/medical-specialty-training/person-specifications-2024/intensive-care-medicine-st3-2024/intensive-care-medicine-st3-2024/hee%3AfileLinks/hee%3Afile?forceDownload=true

For more information on Sheffield see https://www.sheffield.ac.uk/medicine-dentistry-health/study/clinical-academic-training

Because of the nature of the work for which you are applying, this post is exempted from the provisions of Section 4 (2) of the Rehabilitation of Offenders Act 1974 by virtue of the Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975.

Applicants are therefore not entitled to withhold information about convictions, which for other purposes are "spent" under the provisions of the Act, and in the event of employment, any failure to disclose such convictions could result in dismissal or disciplinary action by the University. Any information given will be strictly confidential and will be considered only in relation to an application for positions to which the Order applies.

For further information about the Academic Clinical Fellowship programme, please refer to the NIHR (National Institute for Health Research) Integrated Academic Training (IAT) page on https://www.nihr.ac.uk/explore-nihr/academy-programmes/integrated-academic-training.htm

Person Specifications

Applicants for this post will be required to meet the relevant Clinical eligibility criteria for the appropriate specialty and level listed at:-

Please note - (applicants applying for Surgical, Medical or Psychiatry specialties at ST3 or above may be required to consult the relevant Core Training person specification):-

https://medical.hee.nhs.uk/medical-training-recruitment/medical-specialty-training/person-specifications

AND the Academic eligibility criteria listed at:

https://medical.hee.nhs.uk/medical-training-recruitment/medical-specialty-training/person-specifications