

Job Description for NIHR Academic Clinical Fellowship in Anaesthetics – ST4

1. Job Title.

Academic Clinical Fellowship in Anaesthetics

2. Duration of post.

3 years

3. Research institutions in which training will take place

Translational Medicine and Therapeutics, William Harvey Research Institute, Faculty of Medicine and Dentistry, Queen Mary University of London

4. Timetabling of clinical and research time

25% academic and 75% clinical over 3 years FTE. Timetabling of research and clinical time to be arranged with the supervisors and training programme directors. Potential options include 3-6 months blocks of time and weekly job-planned split, which may suit different stages of training or research activity final approval of timetabling will be dependent on integration with applicants clinical training programme within the School of Anaesthesia.

5. Description of research component of programme

Each year 5 million NHS patients undergo surgery. One in five will develop a postoperative complication, which cause substantial reductions in quality and quantity of life. Older patients with multiple long-term conditions are much more likely to develop complications after surgery. However, it is unclear how chronic disease, and combinations of chronic diseases impact the utilisation of healthcare resources for surgical patients, and how this may interact with the development of postoperative complications.

This programme of work will analyse data from national Health System Data from the RESURGENT study, linked Hospital Episode data from the ISOS study and data from the Barts Precision Medicine data core to describe the impact of multi-morbidity on utilisation of perioperative healthcare resources and the relationship between complications and resource utilisation.

Our central research interest is the prevention and treatment of acute harm due to trauma, major surgery, sepsis and other causes of critical illness. Our ACF programme is structured and focussed as a pre-doctoral fellowship, to ensure that the successful applicant has the skills, experience and relevant pilot data to secure funding for a PhD. This involves structured classroom and practical training in planning and conduct of research, manuscript preparation and grant applications. Our wide variety of research methodologies allows us to develop a bespoke experiential training programme so that the successful applicant will both understand the skills relevant to their future fellowship application, and will acquire some specific knowledge in them by contributing to peer reviewed publications.

Our group has an international profile for excellence in research and teaching. Our expanding activities are supported by strong local, national and international collaborations including the Pragmatic Clinical Trials Unit at QMUL, offering opportunities to build contacts with experts in the applicant's field of interest as well as industrial funders. In the past five years, our group has secured funding from NIHR, MRC, industry and charitable funders totalling in excess of £10 million. We have recruited more than 70,000 consenting patients to clinical studies at in the past five years.

We will provide experiential training in:

- 1) Health data science: understanding structures and approaches to analysing electronic health record 'big data'
- 2) Coding and programming: exposure to range of methodologies in data analysis and data visualisation
- 3) Statistics: training in complex disease epidemiology and modelling using data from cohort studies and randomised controlled trials
- 4) Trial conduct for single- and multi- trials and platform studies.

6. Description of clinical training component of programme

The clinical training programme is based within the London School of Anaesthesia – North London (East) programme. The clinical training occurs within a variety of secondary and tertiary hospitals in North East and Central London, including, but not limited to: Barts Health NHS Trust, Homerton University Hospital and Barking Havering and Redbridge University Hospitals Trust.

7. Academic Programme Director name

- Dr Adrienne Stewart (Academic Lead for London School of Anaesthesia)
Adrienne.stewart1@nhs.net
- Aasifa Tredray (Head of the London School of Anaesthesia)
Aasifa.tredray@nhs.net

8. Clinical Programme Director name

- Dr Steve Hallworth (Training Programme Director)
Stephen.hallworth@nhs.net

9. Programme contact for further information (phone or email)

- *Academic Lead*
Prof Zudin Puthuchear- z.puthuchear@qmul.ac.uk
- *Clinical Lead*
Dr Tom Abbott – t.abbott@qmul.ac.uk
- *Academic Supervisor*
Dr Henrike Janssen – h.janssen@qmul.ac.uk
- *IAT Leads at Queen Mary*
 - Dr Upkar Gill Email: u.gill@qmul.ac.uk
 - Dr Sasha Howard Email: s.howard@qmul.ac.uk

10. NHSE contact:

Specialty Team <https://lasepgmdsupport.hee.nhs.uk/support/home>
Recruitment Enquiries - <https://lasepgmdsupport.hee.nhs.uk/support/home>

11. Useful websites for further information [IAT Guide](#) | [NIHR](#)

<https://www.nihr.ac.uk/explore-nihr/academy-programmes/integrated-academic-training.htm>

12. Confirmation that the post attracts an NTN (A)

Yes.

This job description was prepared on 10th August 2026.