Job Description for NIHR Academic Clinical Fellowship in Clinical Pharmacology and Therapeutics (Digital) IMT3/ST4

1. Job Title.
Academic Clinical Fellowship in Clinical Pharmacology and Therapeutics (Digital)

2. Duration of post.
3 years

3. Research institutions in which training will take place
Barts and The London, Queen Mary University of London, Faculty of Medicine and Dentistry

4. Timetabling of clinical and research time
25% of the candidate's time will be dedicated to research time which translates to 3 months in each year of ST3-5 training years.

5. Description of research component of programme

Clinical Pharmacology & Therapeutics fills a gap in interdisciplinary clinical practice and trains physicians to be experts in the safe and effective use of medicines. This is increasingly important as the national health service confronts increasing polymorbidity and polypharmacy, associated with a significant burden of adverse drug reactions, accounting for 6.5% of all acute hospital admissions and estimated to cost more than 500 million GBP *per annum*. A subspeciality area which has enormous research and translational clinical potential is pharmacogenomics (PGx), using genetic information to move from a one-size-fits-all prescribing model to more personalized targeted care. As the recent 'Personalised Prescribing' report from the British Pharmacological Society and Royal College of Physicians highlights, there is a high level of interest across physician specialities in implementation of PGx.

Implementation of PGx in the NHS is commencing, addressing an unmet need, but upskilling the clinician work force, providing specialty support, and ensuring that implementation is rolled out in a pragmatic, equitable and sustainable manner presents challenges. Clinical pharmacologists are uniquely suited to meet these challenges due to the specialty's cross cutting position at the interface of multi-disciplinary clinical practice, therapeutics research, education in prescribing, and collaboration with industry.

To date the majority of pharmacogenomic (PGX) discoveries arise from studies of populations of European heritage. Our research aims to represent diverse groups and leverage genomic gains for health equity.

This applicant will join a multidisciplinary team comprising clinical pharmacologists, genomic scientists, bioinformaticians, and statisticians, with access to nationally leading pharmacogenomics programmes. They will utilize national and international data sets to explore associations between genetic variants and medication response.

The fellow will have opportunities to work with linked genomic and electronic health record datasets, develop expertise in digital approaches to medicines optimisation, and acquire computational and statistical

skills. The team will support the fellow to progress to PhD applications and continue on an academic trajectory.

6. Description of clinical training component of programme

Main duties of the postholder for IMY3
In year 1 (IMT3), to complete training in Internal Medicine Stage 1 by completing the IMT3 year rotating though posts which offer Internal Medicine. These posts will not be Clinical Pharmacology posts and will be devised based on clinical training need as agreed with the Training Program Directors.

Description of the clinical component of the Training program for IMY3
The ACF will join the program at IMT3 level and in year 1 will complete rotations in Internal Medicine to ensure a broad range of training in Internal Medicine and sign off for IMT Stage 1 at the end of year 1 of the ACF. Clinical work during this time will focus on managing the acute unselected medical take, the ongoing care of medical inpatients and outpatient work as outlined in the IMT Stage 1 curriculum Training. Opportunities will include the local and regional IMT3 training as well as simulation training. Specific rotations and rotation locations will be devised with the IMT Training Program Directors based on the clinical training needs of the ACF but will not routinely include Clinical Pharmacology.

Internal Medicine Training during IMY3
The successful candidate will undergo their Internal Medicine Training in North East London; 25% of their time will be dedicated to research time, which translates to 3 months of IMT training in year 3. Internal Medicine Training (IMT) forms the first stage of specialty training for most doctors training in physician specialties. It will prepare trainees to participate in the acute medical take at a senior level and manage patients with acute and chronic medical problems in outpatient and inpatient settings. The three-year programme will prepare doctors to become medical registrars and provide them with the skills needed to manage patients presenting with a wide range of general medical symptoms and conditions. Experience in intensive care medicine, geriatric medicine and outpatients is mandated, and trainees will receive simulation training during their programme. The Annual Review of Competency Progression (ARCP) decision aid defines the targets that have to be achieved for a satisfactory ARCP outcome at the end of each training year for trainees in IMT and can be accessed via this link IMT ARCP Decision Aid 2019 curriculum (updated 2026). During the IMT year 3 programme, trainees will spend time at one of several district general hospitals within the NE London region, gaining competencies in General Internal Medicine.

Clinical Pharmacology ST4+

From ST4 the ACF will join Clinical Pharmacology and Therapeutics training with the London deanery as a run through academic trainee (with an academic national training number) and work with the Barts Health Trust Clinical team as part of the Cardiovascular department at the Royal London hospital and St Bartholomew Hospital. This clinical job is a mix of inpatient acute/general medicine and cardiology ward work paired with cardiovascular outpatient clinics and protected clinical pharmacology project time.

7. Academic Programme Director name
Dr Ajay Gupta

8. Clinical Programme Director name

IM stage 1: Dr Roshan Weerackod (roshan.weerackody1@nhs.net)
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Dr Gurvinder Rull

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

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Specialty Team https://lasepgmdesupport.hee.nhs.uk/support/home
Recruitment Enquiries - https://lasepgmdesupport.hee.nhs.uk/support/home

13. Useful websites for further information IAT Guide | NIHR
https://www.nihr.ac.uk/explore-nihr/academy-programmes/integrated-academic-training.htm

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

Yes.

This job description was prepared on 12th August 2026.