



Academic F2 JOB DESCRIPTION

Research Training with Academic Training Opportunities

4 month rotation (one post)

Critical Care Medicine

Lead Academic: Dr Bronwen Connolly

Centre: Wellcome-Wolfson Institute for Experimental Medicine

Contact Details: Dr Bronwen Connolly, b.connolly@qub.ac.uk

Outline of the post

Prior to starting the placement

Following successful application, you are invited to contact your Academic Clinical Supervisors to discuss the placement. This will help with planning a suitable research project and academic exposure.

Generic academic skills

This is a 4 month 'stand-alone' academic F2 rotation. By undertaking an academic F2 placement you will gain insights into clinical academic medicine through regular interactions with your Supervisors, University scientific staff, and postgraduate research students. The placement is designed to develop your knowledge, skills, and aptitude for academic critical care medicine, and to foster interest in a long-term clinical academic career within this speciality.

The following broad objectives will be met as part of this academic F2 rotation:

- Development of a research proposal from a research question including relevant governance processes and applications for approvals where necessary
- 'Hands on' experience with an ongoing research project
- Attaining Good Clinical Practice certification
- Exposure to, and understanding of, the various teaching methodologies and apply them during teaching sessions
- Clinical experience in the management of a critically unwell patient, and their post critical illness follow-up

Academic component

On joining the Wellcome-Wolfson Institute for Experimental Medicine (WWIEM) you will have an appraisal meeting with your Supervisor to review your learning portfolio and agree the educational objectives for this F2 placement. You will receive feedback from your Supervisor throughout the 4-month attachment with regular assessment to ensure academic competencies are achieved. Clinical feedback, appraisal and assessment will be provided according to the Foundation Programme Curriculum.

You are encouraged to enrol for the Certificate/Diploma in Academic Medicine although this is not compulsory.

Research skills

1. Formulate a research question relevant to the research programme that centres on acute respiratory failure and the use of mucoactive drugs to assist with mucociliary clearance (suggestions will be provided by the supervisor to support this process). The project will be supervised by an experienced clinical academic, and will form the basis of an abstract to be submitted to a national meeting and if possible a publication in a peer-reviewed journal.
2. Research tasks: A number of research tasks will be completed in relation to the project, including but not limited to, i) a literature search relating to this question if required for the topic, ii) learn about the research governance issues relevant to clinical academic research using this project as an example, iii) data acquisition, database development, data analysis and

interpretation, iv) practice scientific writing in the form of a summary of the project and preparation of an abstract for submission to a scientific meeting, v) verbal presentation of the project and its findings to the wider research group

3. **Training:** Trainees will assist in current clinical trials and will receive training in the basics of trial methodology, ethics and governance, scientific writing and presentation. In addition, trainees will attend a Good Clinical Practice workshop to acquire certification.
4. **Mentorship:** You will have access to experienced academic and clinical staff who are available to provide longer term advice and guidance regarding pathways to support you pursuing a career in clinical academic critical care medicine (including, but not limited to, Dr Connolly (Supervisor), Prof McAuley, Prof O’Kane, Dr Shyamsundar, Dr Silversides)

Teaching skills

Critical Care Medicine has active undergraduate and postgraduate educational opportunities:

1. You will participate in the undergraduate teaching of medical students (seminars, clinical skills and ward-based clinical teaching); this teaching will be directly observed with opportunities for feedback to improve your confidence and competence
2. Formal postgraduate education includes weekly journal clubs and seminars, as well as research and clinical governance sessions held in the Regional Intensive Care Unit and in WWIEM

During the rotation, examples of activities you will be expected to participate in:

- Develop your knowledge of educational theory relevant to medicine
- Participate in the delivery of clinical skills and large-group teaching
- Participate in small-group and bedside teaching of medical students
- Assist in planning and observe an undergraduate clinical examination
- Organise 2 ‘peer-reviews’ of their teaching and perform peer review of others teaching
- Complete a structured reflective note about 2 teaching sessions to which they have contributed

Clinical component

The trainee will attend the Regional Intensive Care Unit (Royal Victoria Hospital) for their clinical component. This will involve working in a multidisciplinary environment and will involve review of critically ill patients, and engagement with physiotherapists, dietitians and other specialities for patient management.

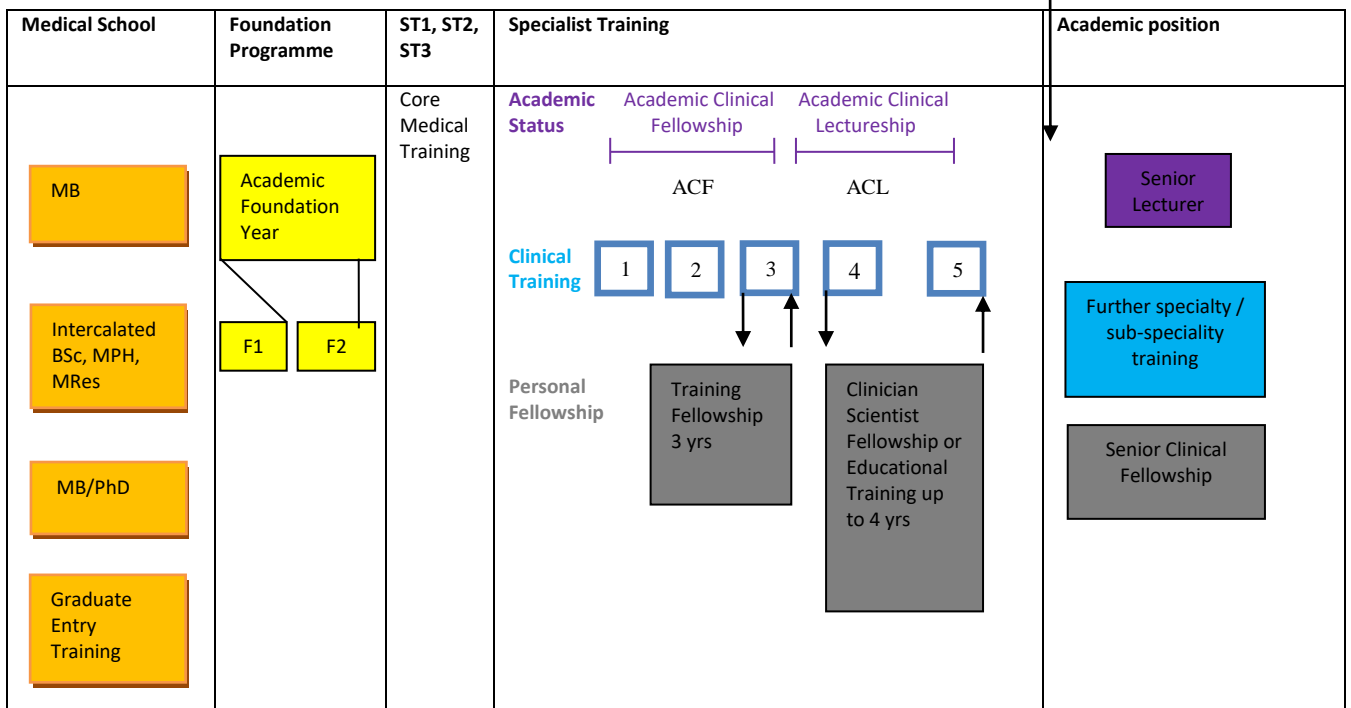
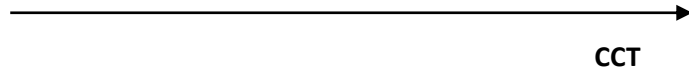
There will be F2-level clinical feedback, appraisal and assessment. You will have particular opportunities to expand your knowledge of critical care medicine through participating in ICU consultant ward rounds, and attending post critical illness Follow-Up clinics. This will provide numerous encounters suitable for recording F2 competencies in mini-CEX and CBL formats. It will also be expected that you will be preparing for and sitting the MRCP exam or equivalent during the Academic F2 year.

Provisional job plans

This indicative job plan has been designed to introduce the successful candidate to major areas of clinical and academic critical care medicine. There will be a dedicated desk for your use in WWIEM. Training in library and journal access will be provided in addition to the clinical training on the relevant hospital IT systems pertinent to critical care medicine practice.

	Monday	Tuesday	Wednesday	Thursday	Friday
a.m.	Project work	Literature review	Clinical Trials	Clinical	Project work
p.m.	Progress meeting Research group meeting	CPD/Medical education	Project work	Medical education	Clinical

ACADEMIC TRAINING PATH



The timings of personal fellowships are indicative – there should be flexibility according to individual career progression

Academic F2 : Academic F2 training posts are for 4 months. This will be with two other rotations one of which will be a General Medicine attachment.

ACF/ACL: Trainees already appointed at ST3 or above are eligible to apply. Trainees who have undertaken postgraduate research (PhD or MD) should have already submitted their thesis, or be within three months of submission.

June 2019