



## **Academic F2 JOB DESCRIPTION**

**Research Training with Academic Training Opportunities**

**4 month rotation (one post)**

**Critical care and peri-operative medicine**

## **Lead Academic: Dr Murali Shyamsundar**

### **Location**

- School of Medicine, Dentistry and Biomedical Sciences at the Centre for Experimental Medicine

### **Background**

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 the Academic Clinical Supervisors, University scientific staff and postgraduate research students.

The post aims to offer the F2 trainee the opportunity to explore their potential interest in a research / educational career in critical care/peri-operative medicine.

### **Objectives of the post**

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

- Development of a research proposal from a research question including the governance process and application for approvals.
- Hands on experience with an ongoing research project.
- Attaining Good Clinical Practice certification.
- Exposure and understanding the various teaching methodologies and apply them during teaching sessions.
- Clinical experience in the management of a critically unwell patient.

### **Structure of the post**

#### **1. Supervision:**

On commencement the trainee will be assigned supervisors for both the teaching and research components of the rotation. Research and educational plans will be formulated following an initial appraisal meeting. Subsequently, the trainee will have a weekly meeting with the supervisors to ensure that the specific learning outcomes and milestones are being achieved. In addition, the trainee will attend university meetings, and present significant sections of their work (e.g. innovation in teaching, research proposal etc)

#### **2. Teaching Component**

During the rotation, the trainee will be expected to:

- Develop their knowledge of educational theory relevant to medicine. A reading scheme will be provided by their supervisor.
- 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

### 3. Research Component

During the rotation, the trainee will, with the guidance and advice of their supervisor:

- Formulate a research question relevant to the research programme “prevention of post-operative surgical complications or in critically ill patients” (suggestions will be provided by the supervisor)
- Initiate a literature search relating to this question if required for the topic
- Design a research study to answer the clinical question and present the proposal to their supervisor
- Write a research proposal for the Research Governance Committee (Belfast trust) and ORECNI
- Attend a GCP workshop.
- Take part in an ongoing research project including hands on laboratory experience on sample handling, processing, safeguards involved in storing samples and experience in laboratory assays.

### 4. Clinical Component

The trainee will attend the Regional Intensive Care Unit for their clinical component. This will involve working in a multidisciplinary environment in the Regional Trauma Centre and will involve review of critically unwell patients, engagement with physiotherapists, dieticians and other specialities for patient management. There will also be opportunities to attend weekly teaching sessions and weekly radiology meetings apart from gaining experience in advanced vascular access.

Clinical feedback, appraisal and assessment will be provided according to the Foundation Programme Curriculum.

### Provisional Timetable

	Monday	Tuesday	Wednesday	Thursday	Friday
a.m.	9am Weekly meeting with supervisor	Research Project	RICU	Research Project	Research Project / teaching preparation
p.m	Teaching preparation	Research Project	RICU	CPD for foundation doctors	Research Project