

## **Research Fellow (0.5 FTE) in Volatile Capture & Sustainable Anaesthesia**

**Base:** Royal Devon University Healthcare NHS Foundation Trust

**Department:** Anaesthesia / NIHR HealthTech Research Centre in Sustainable Innovation

**Reports to:** Professor Pete Ford (Chief Investigator)

**Contract:** Fixed Term – Initial 6 months (extendable to 12 months at review)

**Hours:** 0.5 FTE (2.5 days/week)

**Grade:** Up to ST4 level or equivalent

**Start Date:** November 2025 (or as soon as possible thereafter)

### **Background**

We are delighted to have secured a major research grant; a £3.5 million collaborative project focused on circularity and sustainability in volatile anaesthetics. The project will deliver a series of clinical and environmental studies designed to evaluate volatile capture technology, its impact on operating theatre air quality, occupational exposure, carbon emissions, and wider system transformation. These studies will provide the evidence base required to support a transition to lower-carbon models of anaesthetic practice across the NHS.

The role will be based within the NIHR HealthTech Research Centre in Sustainable Innovation at Royal Devon, providing the postholder with the opportunity to work at the forefront of applied sustainability research with a strong clinical focus. The Chief Investigator for the clinical studies work package is Professor Pete Ford. This is an exciting opportunity to be involved in high-impact research at the interface of anaesthesia, sustainability, and health technology.

### **Job Summary**

The postholder will support the delivery of the clinical research work package, contributing to environmental exposure studies - evaluating volatile capture technologies.

There is potential to incorporate some clinical work (e.g. on-calls or day shifts), but this will need to be funded separately. The research time commitment of 2.5 days per week must be protected.

## **Key Duties and Responsibilities**

Support the setup and delivery of clinical studies evaluating volatile capture technology.

Contribute to protocol development, ethics and R&D applications, and regulatory documentation (e.g. IRAS).

Assist with clinical and environmental data collection and analysis in operating theatre and simulation settings.

Work collaboratively with partner organisations and clinical teams to ensure smooth project delivery.

Contribute to monthly reporting and project milestones.

Support preparation of conference abstracts, presentations, and peer-reviewed manuscripts.

Participate in regular project meetings and maintain accurate study documentation.

Adhere to local and national research governance frameworks.

## **Person Specification**

GMC-registered doctor in Anaesthesia

Excellent organisational and communication skills

Ability to work independently and collaboratively

Interest in sustainability

Experience in data collection, audit, or QI

Publications or conference presentations

## **Contract Details**

**Start date:** 1 November 2025 (or as soon as possible thereafter)

**Duration:** 6 months initially, extendable to 12 months at review.

**Salary:** Commensurate with experience, up to ST4 level

**Location:** Primarily based at Royal Devon University Healthcare NHS Foundation Trust, with potential travel to collaborating sites.

### **How to Apply**

Applications will be accepted via Career Gateway/NHS Jobs

For informal enquiries, please contact:

Professor Pete Ford

Consultant Anaesthetist & Chief Investigator

[peteford@nhs.net](mailto:peteford@nhs.net)