



National Institute for
Health Research

World-leading facilities and expertise:

NIHR Clinical Research Facility
at Guy's and St Thomas' NHS
Foundation Trust



Research and Development Department incorporating the Biomedical Research Centre
at Guy's and St Thomas' NHS Foundation Trust and King's College London

State of the art facilities and world leading expertise

The National Institute for Health Research (NIHR) Clinical Research Facility (CRF) for Experimental Medicine at Guy's and St Thomas' provides state of the art facilities and world-leading expertise to support the NHS, universities and industry in conducting ground breaking experimental medicine studies.

Our CRF consists of four units; an adult MHRA Phase I accredited CRF unit at the Guy's hospital site, and adult, paediatric and imaging units at the St Thomas' hospital site. Being located across two sites in the heart of London provides us with access to the most diverse populations in the UK.

The management and infrastructure of the CRF is embedded within the NIHR Biomedical Research Centre (BRC) at Guy's and St Thomas' and King's College London. This enables us to efficiently take clinical studies through the experimental medicine pipeline from the laboratory and into patients in the CRF.

With MHRA Phase I accreditation for our Guy's CRF unit we are uniquely placed to deliver Phase I commercial and non commercial patient focused studies. Our CRF is the only one in the UK with embedded Advanced Therapies Manufacturing (GMP) and immune monitoring platforms.



World-class clinical research infrastructure in the heart of London

Guy's MHRA Phase I CRF Unit

The focus in the Guy's MHRA Phase I accredited CRF Unit is on first in human, Phase I experimental medicine studies, across a spectrum of disciplines.

The MHRA accreditation highlights our commitment to high quality patient focused clinical research, and delivery of gold standard clinical practice in first in human studies.

The MHRA accreditation recognises that the Phase 1 Unit of our CRF, located within the Experimental Medicine Hub at Guy's Hospital, offers the highest industry standards for management and safety for first in human clinical trials and exceeds the regulatory good clinical practice standards.

We are the only MHRA accredited NHS-managed CRF in London, and one of only two such units in England. With world-class facilities and equipment, the Guy's CRF Unit provides access to fully equipped wards and consulting rooms, a procedure suite equipped for endoscopy and biopsy, sample and drug preparation laboratories and temperature monitored storage facilities, along with office and meeting space; all within our central London location.

We are uniquely placed as the only CRF in the UK with co-located Immune Monitoring and Flow and Mass Cytometry laboratories, and a Advanced Therapies Manufacturing (GMP) compliant facility, with three independent clean rooms, for the production of Advanced Therapy Medicinal Products (ATMPs).

We are able to manufacture cell and gene based ATMPs, administer these to patients in our CRF with proper monitoring, and analyse the results within our Immune Monitoring facility, all at the same location.





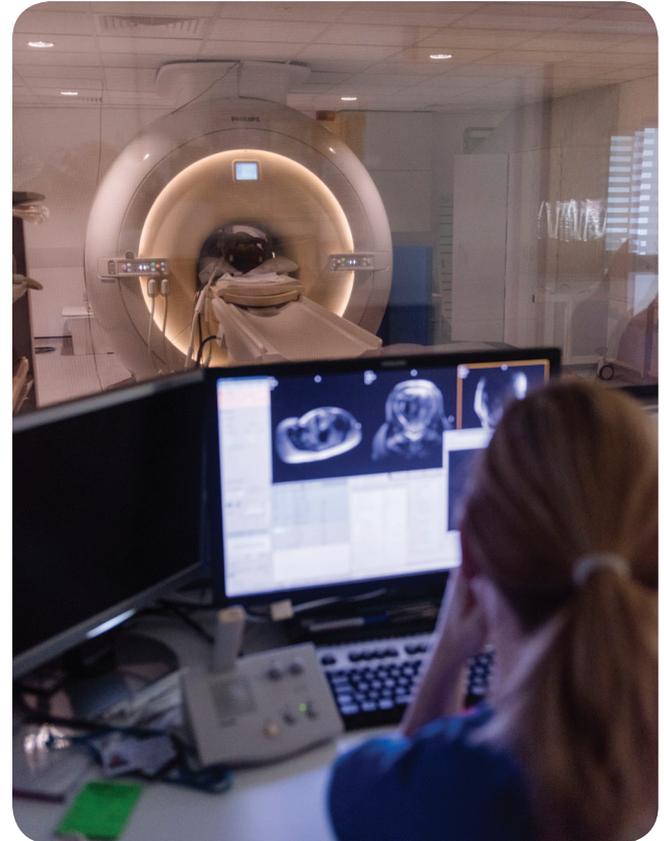
St Thomas' CRF Unit

St Thomas' Hospital houses further CRF units including an Adult CRF Unit, which focuses on cardiometabolic studies, women's health and the NIHR BioResource.

Offering access to fully equipped wards, consulting and examination rooms, DEXA scanning room, sample laboratories and a drug preparation area, the CRF Unit at St Thomas' is the space for the conduct of cardiometabolic studies with dedicated cardiovascular ultrasound rooms and blood flow and exercise laboratory.

Co-located with our world-class CRF Imaging Unit it offers unique capabilities for interventional studies including cardiac catheterisation inside an XMRI scanner.

St Thomas' is also the focal point of the world-leading Centre for the Developing Brain, and our Paediatric CRF Units in the Evelina London Children's Hospital.



CRF Imaging Unit

We are uniquely placed to deliver world-class imaging research within our Imaging CRF Unit, located at St Thomas' Hospital. This includes the Centre for the Developing Brain with its state of the art clinical research imaging facility embedded within the Neonatal Intensive Care Unit.

▼ Our imaging platforms provide access to the following state of the art equipment:

- ▶ Two PET / CTs and PET/MR systems (cancer, cardiovascular and neuro imaging research).
- ▶ Cyclotron and GMP PET chemistry facilities.
- ▶ Philips 3T MRI embedded within Neonatal Intensive Care Unit.
- ▶ Philips 3T providing wide range of research capabilities including advanced cardiac imaging and MR guided High Intensity Focused Ultrasound.
- ▶ Siemens 1.5T and adjoining cardiac cath lab.
- ▶ Philips 1.5T MRI for cardiac and fetal clinical research.
- ▶ Philips 3T Multix for technical research.
- ▶ Our clinical research excellence and capabilities will be further enhanced by the acquisition of the Pan-London 7 Teslar Ultra High Field MRI system available from early 2018, for the conduct of experimental studies across clinical disciplines.

Paediatric CRF Unit

Our paediatric CRF Unit offers clinical research space on the Snowy Owl Ward in the Evelina London Children's Hospital. Paediatric research is offered priority access to space within the adult CRF Unit at St Thomas'. The paediatric CRF team also utilise other areas of the hospital such as the high dependency and intensive care, and the dedicated paediatric imaging facilities.

Clinical research at the Evelina London is also conducted via an outreach service, with clinicians supporting studies into diseases such as sickle cell anaemia in the community.

We are expanding our paediatric research facility to meet the demand for the conduct of national and international multidisciplinary paediatric clinical studies. Over the next few years we will be able to offer further, expanded facilities to include:

- fully equipped Children's CRF Unit in the South Wing of St Thomas' Hospital for clinical research, including allergy studies
- fully equipped Children's CRF Unit in Evelina London Children's Hospital for early phase clinical trials.



Uniquely placed to deliver experimental medicine studies from bench to bedside

Our CRF provides the ideal environment for the conduct of experimental clinical research studies within a bright, welcoming and secure environment, and space to accommodate significant number of patients.

Our location

The MHRA Phase I accredited CRF Unit at Guy's is located on the 15th floor of Guy's Tower, a minute away from London Bridge station and next to the iconic Shard building.

The CRF Unit at St Thomas' is located on the 4th Floor of the North Wing, with views over the River Thames and Houses of Parliament. St Thomas' Hospital is also home to our Imaging CRF Unit and the Paediatric CRF Unit.



Conduct your research within our world class facilities

To discuss carrying out your commercial or non commercial research within our clinical research facilities, and to find out how our facilities and expertise can add value to your research please contact us by email at crf@gstt.nhs.uk

Our website

Visit our website to find out more about our work and facilities at www.guysandstthomasbrc.nihr.ac.uk/research-platforms/clinical-research-facility

