> " Sheffield is an outstanding centre for medical research. MRI-PET will help us find new solutions to health challenges facing our local community, the UK and beyond. "

Professor Dame Pam Shaw

We're creating a home for one of only eight MRI-PET scanners in the UK – the first in Yorkshire.

We're bringing the future of medical imaging to Sheffield.

The University of Sheffield has raised £2 million to establish a ground-breaking MRI-PET facility. Building work starts early 2019.

MRI-PET scanners deliver the most advanced imaging technology to date. MRI-PET will transform our understanding of serious diseases and the way we treat them in the future. This will be a vital investment in the health of people in this region, across the UK and beyond.

Benefits for patients:
- Faster diagnosis
- Tracks progression of disease more accurately
- Enables real-time treatment monitoring
- Accelerates discovery of new drugs
- Single scan: fewer hospital visits

About the Sheffield Scanner appeal.

Alumni, students, staff and friends of the University of Sheffield dug deep and donated what they could towards bringing the MRI-PET scanner to the city, with more than 10,000 people making donations. We recently hit our target of £2 million.

These contributions have come in many forms – from large individual donations and generous gifts in Wills, through to cash in fundraising buckets at charity events. Each and every donation has made a difference.

Thank you to all who helped us get to £2 million – you're helping change the lives of patients in Yorkshire and beyond.

ⓈSheffieldScanner
MRI-PET: the future of imaging

Get in Touch
If you'd like to know more about the progress of our build, contact: Gaynor Bradshaw-Willson, University of Sheffield Project Manager.
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Tel: 0114 222 9118
Web: www.shef.ac.uk/efm/estatesdevelopment/projects/mri-pet-scanner

If you'd like to know more about the Sheffield Scanner, visit
Web: www.sheffield.ac.uk/sheffieldscanner
Email: sheffieldscanner@sheffield.ac.uk
Tel: 0114 222 1071

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The University Of Sheffield.

ⓈSheffieldScanner
MRI-PET: the future of imaging

Building ground-breaking medical research facilities.

Find out more about the MRI-PET scanner.

NHS
National Institute for Health Research
Sheffield Biomedical Research Centre

Sheffield Teaching Hospitals NHS
NHS Foundation Trust

MRI-PET will help us understand and advance treatment for a wide range of devastating diseases.

Transforming treatment for cancer patients.

"MRI-PET will give us more information about tumours, helping us treat more patients with radiotherapy as effectively and safely as possible."

Professor Matthew Hatton

Changing the way we diagnose neurodegenerative diseases.

"MRI-PET will keep Sheffield at the forefront of vitally important work in dementia and give patients in Yorkshire the chance to take part in pioneering clinical trials."

Professor Annalena Venneri

Helping to understand multiple sclerosis.

"The precision imaging power of MRI-PET is hugely exciting for advances in clinical care and clinical research in multiple sclerosis."

Professor Basil Sharrack

About the building and the scanner:
Frequently asked questions.

SheffieldScanner
MRI-PET: the future of imaging

What is MRI-PET?

MRI-PET is a new type of medical scanner which combines two powerful imaging technologies - MRI and PET - that are already used separately in medical research and in hospitals.

MRI (Magnetic Resonance Imaging) uses magnetic and radio waves to build up a picture of the internal structure of the body. PET (Positron Emission Tomography) uses a radioactive tracer chemical to build up a picture of how well parts of the body are functioning.

The MRI-PET scanner is able to capture both of these images at the same time, in a single scan, and gives a more detailed picture of what is happening within the body.

Where will it be?

The scanner will be in a purpose-built facility attached to the Royal Hallamshire Hospital (RHH), close to the inpatient entrance and the University's Medical School, offering easy access for patients, clinicians and researchers.

Our site is on the corner of RHH's B Road and Claremont Crescent.

What work is taking place?

We're building a two-storey building which will house the MRI-PET scanner, as well as associated laboratory facilities and staff.

The facility will have two entrances: one on the ground floor beside the drop-off area and another on the second floor, connecting with the University and RHH radiology services. The second floor will house a comfortable waiting area, two pre-scan patient rooms, a suite of workstations for reviewing scan images and a fully radiation-shielded space for the MRI-PET scanner itself.

How will this building work affect my routes around the hospital?

As the construction progresses, there will be changes to routes and journeys around the hospital site.

Visit shef.ac.uk/efm/estatesdevelopment/projects/mri-pet-scanner for the latest information.

How will I benefit from the scanner?

The MRI-PET facility will transform patient care in future by increasing our understanding of the causes, effects and development of many different diseases, including dementia, cancer, multiple sclerosis, Parkinson's disease, motor neurone disease (MND), diabetes, epilepsy and stroke.
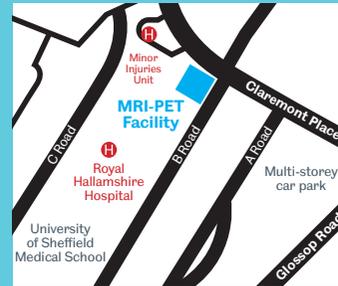
The knowledge we gain from the scanner will allow us to take exciting discoveries from the laboratory into the hospital.

As one of only eight of its kind in the UK, and the only one in Yorkshire, the MRI-PET scanner will give patients in the region access to new clinical trials. These trials are an important way of developing new therapies and better outcomes for patients. Our research may lead to easier and faster diagnosis, characterisation, staging and treatment of disease.

How long will it take to build?

Construction work starts in early 2019 with completion expected in spring 2020.