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

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.

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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If you’d like to know more about the Sheffield Scanner, visit
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@SheffieldScan
/SheffieldScanner

Building ground-breaking medical research facilities.

Find out more about the MRI-PET scanner.
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

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.

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.

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 long will it take to build?

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

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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.