

Innovative MR technology puts the University of Glasgow at forefront of brain imaging research

The University of Glasgow has recently received significant external funding from sources including the UK Research Partnership Investment Fund (UKRPIF), ERDF, the Dr Mortimer and Theresa Sackler Foundation and the Wolfson Foundation to support investment in state-of-the-art research facilities. This includes two high-resolution imaging systems from Siemens Healthcare with a primary initial focus on brain research. The technology will provide detailed insights into the brain's structure, function and biochemistry in order to find causes and new treatments into various conditions. The technology includes a powerful MAGNETOM® 7T MR system, the first of its kind to be installed in a clinical setting in the UK, and a MAGNETOM 3T MR.

The 7T system will be installed in the Imaging Centre of Excellence Building and the 3T on the same campus, both at the South Glasgow University Hospital (SGUH). The SGUH will uniquely enable clinical research to take place to uncover physiological information that can only be seen through powerful, ultra-high frequency MR. The 7T scanner will offer researchers the opportunity to learn more about a host of brain conditions such as stroke, dementia, brain tumours, Parkinson's, epilepsy and multiple sclerosis.

Professor Anna Dominiczak, Vice Principal and Head of the College of Medical, Veterinary and Life Sciences at the University of Glasgow said: "These systems will provide us with unrivalled imaging capability and drastically enhance the quality of research carried out in Glasgow. This initiative is testament to the strength of the partnership between academia, the NHS and industry that we have in the city. By locating the MAGNETOM 7T at the South Glasgow University Hospital we are bringing advanced technology closer to patients, making it arguably the most accessible system of its kind in the world."

Peter Harrison, Managing Director of Siemens plc Healthcare Division, states: "Brain

conditions such as dementia are currently at the forefront of government agenda as we face a global epidemic. Close partnerships between the NHS, academia and private companies are strengthening the ability to provide world class research in the UK to help aid early diagnosis and find vital treatments. The state-of-the-art Siemens MAGNETOM 7T and 3T MR systems will provide South Glasgow University Hospital with the very best technology to aid clinical trials and research projects across major disease areas.”

Siemens Healthcare is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimising clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 52,000 employees worldwide and operates around the world www.siemens.co.uk/healthcare.

-Ends-

Media contacts

Laura Bennett
Tel: 07808 823598
Email: laura.bennett@siemens.com

Holly Wale / Ben Veal
Tel: 01225 471202
Email: hollyw@mediasafari.co.uk

For further information, please see: www.siemens.co.uk/press

Follow us on Twitter at: www.twitter.com/siemensuknews

Picture caption: Two high-resolution imaging systems from Siemens Healthcare will be installed on the South Glasgow University Hospital campus, including a MAGNETOM 7T MR system in the Imaging Centre of Excellence Building.



About Siemens

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is No. 1 in offshore wind turbine construction, a leading supplier of combined cycle turbines for power generation, a major provider of power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2014, which ended on September 30, 2014, Siemens generated revenue from continuing operations of €71.9 billion and net income of €5.5 billion. At the end of September 2014, the company had around 357,000 employees worldwide. Further information is available on the Internet at www.siemens.com.