



cpi

National Centre for Healthcare Photonics at CPI

What is Healthcare Photonics?

Healthcare photonics is one of the most interesting and fastest developing areas in healthcare and refers to the use of light to diagnose and treat medical conditions and illnesses. The area offers huge potential for the UK and the global healthcare sector.

Applications

Photonic technologies use light for a range of healthcare applications including therapies, diagnostics, imaging and surgical interventions, and is an exciting and rapidly growing area globally, as the demand for non-invasive, cost-effective, rapid and/or personalised care and treatment rises. Applications are wide ranging from monitoring of physiological parameters to wound, skin and cancer care and other applications in neurology and ophthalmology.

National Centre for Healthcare Photonics Opening in 2018

CPI is opening a new National Centre for Healthcare Photonics based at NETPark, County Durham in 2018. The centre will provide open access facilities and expertise to help companies of all sizes to develop their photonics based technologies for healthcare and turn them into commercially viable products. CPI has received initial support from the North East Local Economic Partnership (NELEP) to establish this centre.

Enabling and emerging technologies such as photonics can provide novel, improved ways to diagnose and treat disease. The UK has world class research capability in this area and a key challenge is to reduce the barriers that are preventing early research and inventions from moving beyond the laboratory and into innovative healthcare solutions for patients.

CPI aims to achieve this objective by creating infrastructure and capability to address a number of major barriers. Partnerships and collaboration will be core to CPI's operating model. The creation of the National Centre will allow more early-stage companies and SMEs to drive forward their innovation, and increase their chances of commercialisation. This will also stimulate and encourage large companies in the UK to undertake more innovation activities, at reduced risk and with increased capital efficiencies. CPI will partner with the academic, medical and clinical communities, supply and value chain partners as well as key players within the healthcare innovation ecosystem.

Our Services

CPI will create infrastructure and expertise required for prototyping, scale-up and validation of medical devices at the required quality and consistency to feed into clinical validation studies. In addition, the centre will offer services that are critical to translating promising technologies into clinical adoption, including access to clinicians and expertise in health economics, regulatory planning and clinical trial planning, by forming collaborative partnerships across the healthcare innovation landscape.

About CPI

The Centre for Process Innovation (CPI) is a UK-based technology innovation centre and a founding partner of the High Value Manufacturing Catapult. We help companies to develop, prove and commercialise the next generation of products and processes.

We enable ideas, research and knowledge to be translated into market ready products by providing the facilities and technical expertise to help companies overcome their innovation challenges. Working together we can help companies to understand the commercial feasibility of their new product or process and get it to market faster and with less risk.

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