

# Healthcare Technologies: a new Challenge Theme for EPSRC

Brings together all EPSRC healthcare relevant research for the first time (~ £75M annual spend)

## Aims:

- Focus to build critical mass around UK research strengths in engineering and physical sciences that underpin healthcare
- Maximise industrial involvement and increase translation to products / practices.

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# Medical Imaging Technology Review Report - March 2012

- EPSRC in partnership with MRC undertook a review of current and future research opportunities in medical imaging technology
- Inputs - Academic, institutional and industrial surveys; infrastructure survey; EPSRC and MRC portfolio data for medical imaging technology; and the Web of Science
- Challenges for medical imaging technology
  - Probes and biomarkers
  - Safer, lower cost, and higher throughput systems
  - Improving the value of current medical imaging technologies
  - Improved precision of diagnosis, therapy monitoring and application of imaging biomarkers to get the right medicine to the right patient
  - Lowering costs and barriers to use of medical imaging technologies

# Relevant calls

- **EPSRC: Interdisciplinary Research Collaborations (IRCs) in Sensing Systems for Healthcare.** A budget of up to £25 million will be available to support up to 3 collaborations of the order of £8 - £12 million each, for 5 years.
- **EPSRC Healthcare Technology Challenges for Engineering.** One of the three highlights was Medical Imaging.
- **CRUK/EPSRC Cancer Imaging centres call.** Integrate preclinical and clinical research to facilitate the improved detection, diagnosis and treatment of cancer.
- **Predictive modelling for Healthcare through Maths:** The event will explore the challenges in this area and drive transformational research proposals aimed at improving predictive modelling in healthcare technologies



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