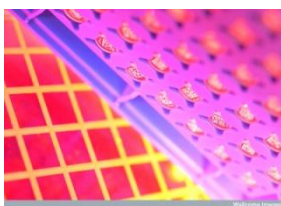


HEALTH INNOVATION CHALLENGE FUND

FULL SCOPE FOR ROUND 11

Clinical applications of Innovative diagnostics



Whether it's for early detection or targeted treatment, advances in diagnostics can bring significant patient and economic benefit. Technologies that are faster, cheaper, more accurate, more portable, user friendly and easily interfaced or connected with existing healthcare systems have the potential to increase productivity, improve care pathways and reduce NHS workload.

Successful proposals will be those that help realize a step change in performance rather than substituting for an existing, established technique. The solution may be delivered either through a central reference laboratory, hospital setting or be portable for use at the point of care.

Antimicrobial resistance poses one of the greatest global public health threats of our time. We are particularly interested in infectious disease testing, specifically tests that can rapidly identify the causal microorganism, determine drug resistance status or accurately distinguish between viral bacterial or fungal disease to inform appropriate drug therapies.

Applications are invited that:

- Provide novel diagnostic tests or procedures which are more accurate, faster or more cost effective than their existing equivalents
- Permit timely diagnosis of conditions where no test currently exists or where the present turnaround time is protracted
- Enable both diagnosis and monitoring of the patient's response to treatment
- Offer solutions that can be readily integrated into and deployed widely across UK healthcare systems and beyond

Specifically out of scope for this call are:

- Projects for monitoring chronic or long term illness
- Telehealthcare and telemedicine
- Biomarker discovery
- Cancer diagnostics
- Diagnostic tests that utilise genome-wide exome sequencing or whole genome sequencing