

NIHR i4i Challenge Awards Call 6 – Oncology Diagnostics

Scope

The National Institute for Health Research (NIHR) Invention for Innovation (i4i) Challenge Awards invite applications in the area of Oncology Diagnostics, aiming to improve medical practice by better prevention, earlier and more precise diagnosis, early intervention and more tailored treatment, all of which can help improve clinical outcomes, avoid side effects, and contribute to overall cost savings.

Applications may be focused on:

- innovative developments in imaging of the whole body, organ or tissue, such as new modalities or their combinations, or the integration of multiple images to give added value
- novel approaches for more effective endoscopy and biopsy examinations
- molecular diagnostic tests (e.g. for circulating tumour cells and DNA, mRNA, microRNA, disease-related proteins and multiplexed tests)
- approaches that lead to more effective treatment selection, efficacy monitoring and outcome determination.

Applications must describe how the proposed solution will be integrated into the pathway of care. Engagement with local and/or regional NHS infrastructure is strongly encouraged, as is the establishment of multi-centre collaborations to facilitate robust validation and quicker translation into the clinic. Involvement of one of [the NIHR Diagnostic Evidence Co-operatives](#) is particularly welcome.

We will not consider applications focusing on biomarker discovery and validation, genetic profiling of tumour biopsy tissue, or standalone systems that do not interface with existing healthcare systems. Additionally, the re-purposing of existing technologies and interventions or incremental changes to technologies in current clinical use will not be considered unless they include significant innovation.