



FAST
HEALTHCARE
NETWORKS PLUS



Workshop on the Early Detection of Cancer

Friday 18th February 2020

Robinson College, Cambridge, UK

FREE

Save the Date

EPSRC Fast Assessment and Treatment in Healthcare (FAST Healthcare) NetworksPlus and Cancer Research UK are joining forces to deliver a multidisciplinary workshop that aims at exploring and finding solutions to some of the key challenges in the early detection and diagnosis of cancer. This workshop builds on previous work by Cancer Research UK in developing a Roadmap outlining opportunities in this field and recommendations for action to help achieve meaningful patient impact.

The clinical challenge

Earlier diagnosis of cancer offers the greatest potential for transformational improvements in patient outcomes. The chances of survival are increased significantly for almost all patient groups if the disease can be diagnosed and treated at an early stage. For example, a patient diagnosed with stage 1 lung cancer has over 70% chance of survival beyond one year. This drops to less than 15% if diagnosed at stage 4.

FAST Healthcare NetworkPlus and Cancer Research UK are inviting participants from across disciplines to integrate their skills and expertise to work collaboratively to tackle this challenge. Cancer Research UK previously brought together experts across different sectors in 2019 to help develop an Early Detection and Diagnosis of Cancer Roadmap. This Roadmap aims to define a shared vision for early detection and diagnosis of cancer and provide a series of concrete actions that will help the field progress from the current reality to this shared vision. One of the key outputs from this Roadmap is a set of prioritised research interventions each addressing a well-defined early detection challenge. The recommendations made by the Roadmap are intended to shape not only CRUK's early detection and diagnosis strategy, but the field at large.

Aims of this workshop

Through the workshop FAST Healthcare NetworkPlus, supported by Cancer Research UK, seek to integrate an engineering and physical sciences approach to selected prioritised research interventions from the Roadmap to help achieve progress. Details of these areas will be advertised before the workshop. Attendees will be invited to indicate which of the three areas they are particularly interested in.

This will be a one-day workshop on 18 February 2020 at the Cambridge Clinical School in collaboration with their Early Detection Programme. We will welcome up to 40 participants who will attend three sessions on the day.

Session 1: This session will comprise a series of brief talks outlining the overarching vision of the Early Detection and Diagnosis of Cancer

Roadmap and will introduce the prioritised research interventions that will be discussed at the workshop.

Session 2: This session will bring together small groups of participants to further refine existing research pathways and build new research pathways when applicable for the areas covered by the prioritised research interventions.

Session 3: The third session will focus on consortium building to address the research pathways and talks on some of the key challenges of translating technologies in this field.

After the workshop, the day's discussion and the research pathways will be written up as an open access report available for download from the FAST website.

Details of speakers will be advertised on the FAST website nearer the time.

Who should attend ?

We welcome participants from across a variety of different backgrounds including representatives from the UK's clinical and academic engineering and physical sciences and the UK's industrial communities. You can apply to attend the workshop at www.fast-healthcare.org.uk. We anticipate demand for places exceeding the number of places which are available, so please apply at your earliest convenience. Academic and other non-commercial participants from within the UK will be eligible to have reasonable travel expenses reimbursed (subject to the University of Cambridge's normal conditions).

Who is organising the Workshop?

The Workshop is being put together by Professor Andrew Flewitt (Engineering Department, Cambridge University) for the EPSRC Fast Assessment and Treatment NetworksPlus in collaboration with the Early Detection team from Cancer Research UK and Wendy Alderton from the CRUK Cambridge Centre.

Important dates

Application deadline: 4th February, 2020

Workshop takes place: 18th February, 2020

EPSRC

Engineering and Physical Sciences
Research Council

Apply online at: www.fast-healthcare.org.uk