Industry-DEC collaborations

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Diagnostic Evidence Co-operative Newcastle
Newcastle: a diagnostic research hub

NIHR Biomedical Research Centre
NIHR Biomedical Research Unit
MRC Single cell Genomics Unit
NIHR Clinical Trials Unit
MRC Molecular Pathology Node etc.

Map of UK cities with Newcastle highlighted.

Process:

A: Scientist finds a promising new “biomarker”
- Limited evidence in real life samples

B: Company develops a kit
- Needs validation and regulatory approval

C: Test used in clinical practice
- Demonstration of improved outcomes
Case study: Mologic

- Support in the application for SBRI award
- Participation to the SBRI interview
- Links and connection with AHSN-NENC
- Protocol:
  1. care pathway analysis,
  2. early economic model,
  3. PPI through British Lung Foundation,
  4. investigation of potential barriers to adoption
- Trust sponsorship and R&D approval obtained
- On track: 5 interviews done until now
Challenges

SBRI: quick calls!! ➔ Developing high quality proposals, accurate estimation of workload in short timescales

Creative and innovative project designs!

SBRI: quick projects!! ➔ Ethical, legal and financial requirement obtained in time

Increasing the efficiency of our internal workflow
What worked well

- Company engaged with us early in their development pathway
- Early identification of the value propositions
- Support with research questions, and planning of their research
What worked well

Successful interaction with NHS and CCGs facilitated by AHSN

Clinician perspective

Care pathway analysis

Identification of potential barriers to adoption

Decision maker, commissioner perspective

Realistic plan for adoption
What worked well

We established successful collaboration with the AHSN and the charity British Lung Foundation

Patient perspective

Impact on product design and usability

Realistic plan for adoption
What worked well

Successful collaborations in the University: methodologists, statisticians, qualitative researchers and health economists

- Promotion of interdisciplinary research
- Development of new methodologies
- Better service for the company, and the NHS
- Academic advancement