

National Lung Matrix Trial (NLM)

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Research Areas



Biomarker Research

Diagnostic, Genomic Biomarker



Product Development

At a Glance

- Status: **Active Consortium**
- Year Launched: **2014**
- Initiating Organization: **Cancer Research UK**
- Initiator Type: **Government**
- Location: **Europe**

Abstract

The National Lung Matrix Trial is the world's largest precision medicine trial in non-small cell lung cancer and is pivotal in developing novel therapies for patients with this devastating disease. It is a clinician-led collaborative study among the University of Birmingham, Cancer Research UK, Astra Zeneca, and Pfizer. The trial is sponsored by the University of Birmingham and coordinated by the Cancer Research UK Clinical Trials Unit (CRCTU), with Gary Middleton leading as chief investigator.

Mission

The National Lung Matrix trial consists of a series of parallel, multi-center, single-arm Phase II trials, each arm testing an experimental targeted drug in a population stratified by multiple prespecified target biomarkers. There are currently 8 targeted drugs and 21 drug-biomarker combinations. The aim is to determine whether there is sufficient signal of activity in any drug-biomarker combination to warrant further investigation. The trial uses a Bayesian adaptive design that gives a more realistic approach to decision-making and flexibility to make conclusions without fixing the exact sample size.

Consortium History

January 2015: Trial announced and launch meeting held in Birmingham

Financing

Cancer Research UK, AstraZeneca, and Pfizer jointly fund the program, with support from the National Health Service. In total, this represents about £25 million worth of research.

Links/Social Media Feed

Other social media	http://ciic.org.uk/gary-middleton-explaining-national-lung-matrix/
Other website	http://conference.ncri.org.uk/abstracts/2014/abstracts/B058.html

Sponsors & Partners

Participant/Sponsor
Astra Zeneca
Cancer Research UK
Pfizer
University of Birmingham

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