



Medical  
Research  
Council

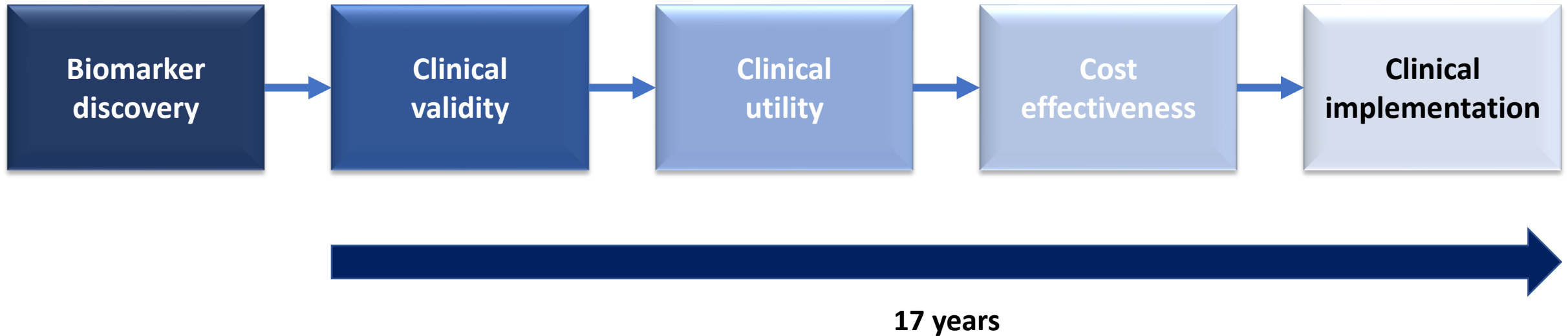


Exeter IBD  
Research Group

# Developing a pipeline for implementation of IBD pharmacogenetic tests using thiopurine PGx as a test case



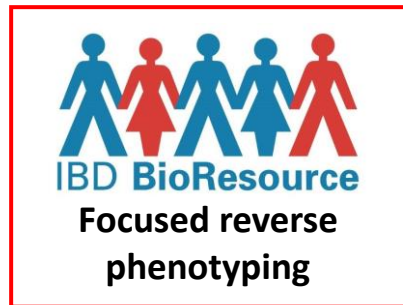
# Implementation of IBD pharmacogenetic tests



# Implementation of IBD pharmacogenetic tests



# Implementation of IBD pharmacogenetic tests



# Implementation of IBD pharmacogenetic tests



**JAMA**  
The Journal of the American Medical Association

Walker et al 2019

**IBD BioResource**  
Focused reverse  
phenotyping

Clinical trial

**NHS**  
England  
Genomics Test directory

nature  
genetics

Heap et al 2014

**ETER**  
CLINICAL LABORATORY  
INTERNATIONAL

Confirmation  
in NHS lab

Historical controlled  
trial

# Implementation of IBD pharmacogenetic tests



**JAMA**  
The Journal of the American Medical Association

Walker et al 2019

**IBD BioResource**  
Focused reverse phenotyping

Clinical trial

Cost effectiveness

**NHS**  
England  
Genomics Test directory

nature  
genetics

Heap et al 2014

**ETER**  
CLINICAL LABORATORY  
INTERNATIONAL

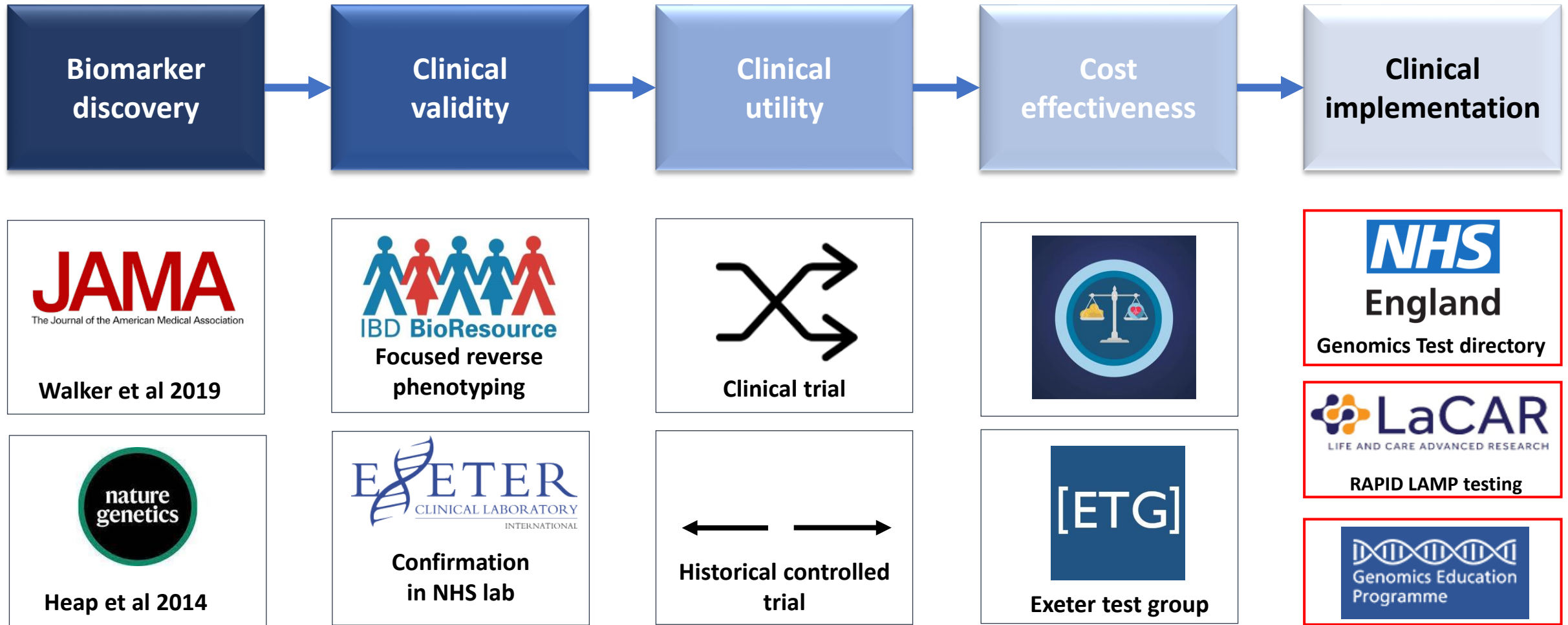
Confirmation  
in NHS lab

Historical controlled  
trial

[ETG]

Exeter test group

# Implementation of IBD pharmacogenetic tests



# HELP needed

- Please send us samples for confirmatory *NUDT15* sequencing  
*TPMT, HLA-DQA1\*05, HLA-DRB1\*0701* also reported
- Suggestions of ADRs for PGx discovery work?
- **Please participate in the NIHR IBD Bioresource 'drug response' and 'disease phenotype' data refresh**