Genomics

England
Genomics England will provide the investment and leadership needed to dramatically increase the use of leading-edge global tools to identify, test and improve all aspects of medical care, and it must continue to push the boundaries by unlocking the power of DNA data.

He said: "The NHS has a long track record as a leader in health system in its mainstream revolutionary technology to introduce this technology to the first country to introduce this." July 2013.

Genomics England was announced by Jeremy Hunt, Secretary of State for Health, as part of the NHS 60th Birthday Celebrations on 5

The company will manage contracts for sequencing data linkage and analytics and set standards for patient consent.

"This project will influence the personal DNA code known as a genome. Of up to 100,000 patients over the next two years, this unique knowledge will help doctors understand leading to better and earlier diagnoses and treatments."

Announced by the Prime Minister David Cameron in December 2012.

We are a new company set up by the Department of Health to help deliver the 100,000 Genome Project first.

About the 100K Genome Project

About us - How we work - Contact us

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Advanced genomic medicine practice integrated into the NHS dataset

Thriving private sector investment and commercial activity exploiting the opportunities from the legacies

The company intends to complete its task in ~4 years and leave 2 important

exploit the opportunities

It is recognised that this is a fast-moving scene and the agility of a corporate vehicle is essential to board with a majority of independent directors

Genomics England is constituted as a limited company under the governance of a

A major genomics medicine education programme will be mounted in the NHS

Patient results feed back to clinicians to facilitate improved care

Data held behind an NHS firewall to alleviate confidentiality concerns

Feedback, and continuing updating with evolving patient records

Consents broadly drawn allowing for clinical, research and commercial use, clinical

- Common cancers and rare inherited diseases initial targets
- Characterised diseases

100,000 Whole Genomes Relating to Genetically diverse patient cohorts with well

Key Features of Genomics England 100K Project
100,000 WGS by 2017

2013

2014

2015

2016

2017

Patent Engagement

User Support

User Pilots

Pilots Implementation

Main Systems

8 Pilot Sample

Data Collection

Genome Interpretation Service

Ucam 6000 WGS

Main Sequencing Programme 9000 WGS

Ucam Pilot 2000 WGS

Ucam Pilot 3X WGS

Genome Interpretation Tender

Pilots Tender

Bake of Tender CRUK

- 2013 launched

Genome England

3rd July 2013
A number of business models are possible. However, a key aim of the project is to encourage investment of private capital. Technology Genomics England is likely to remain publicly controlled. Given the importance of carrying public confidence during the introduction of this...