

# The Genomics Revolution

In Cambridge, London, Oxford and the greater south east of England (GSE)

genomicsuk.com

CAMBRIDGE  
LONDON  
OXFORD

## UK's Genomics Industry

Valued at nearly **£1 billion**

Expected rate of growth – **20%** (compared to the global rate of 12-15%)

Over **10,000** employees

**40%** of UK genomics companies are based in Cambridge, London and Oxford



## Key companies in the region



**Oxford Nanopore Technologies** – University of Oxford spinout developed the world's first and only nanopore DNA sequencer

**DNA Electronics** – Imperial College London spinout developed breakthrough DNA analysis technology that brings patients the benefits of fast and insightful diagnostics

**Congenica** – Wellcome Trust Sanger Institute spinout developed a genome analysis tool that provides molecular diagnoses of genetic diseases, thus enabling physicians to better tailor treatments

**Inivata** - Cambridge-based clinical genomics company developed a cancer screening technique which circulates DNA analysis as an alternative to invasive biopsies

For a complete list of companies in the region, please visit [medcitymap.com](http://medcitymap.com)

## Investment

Over **£370 million** of investment into genomics companies in the GSE (2013-2017)

**87%** of the total genomics investment into the UK was in the GSE

UK genomics companies focused on sequencing generated revenues of over **£500 million** (2016)



## Research Projects

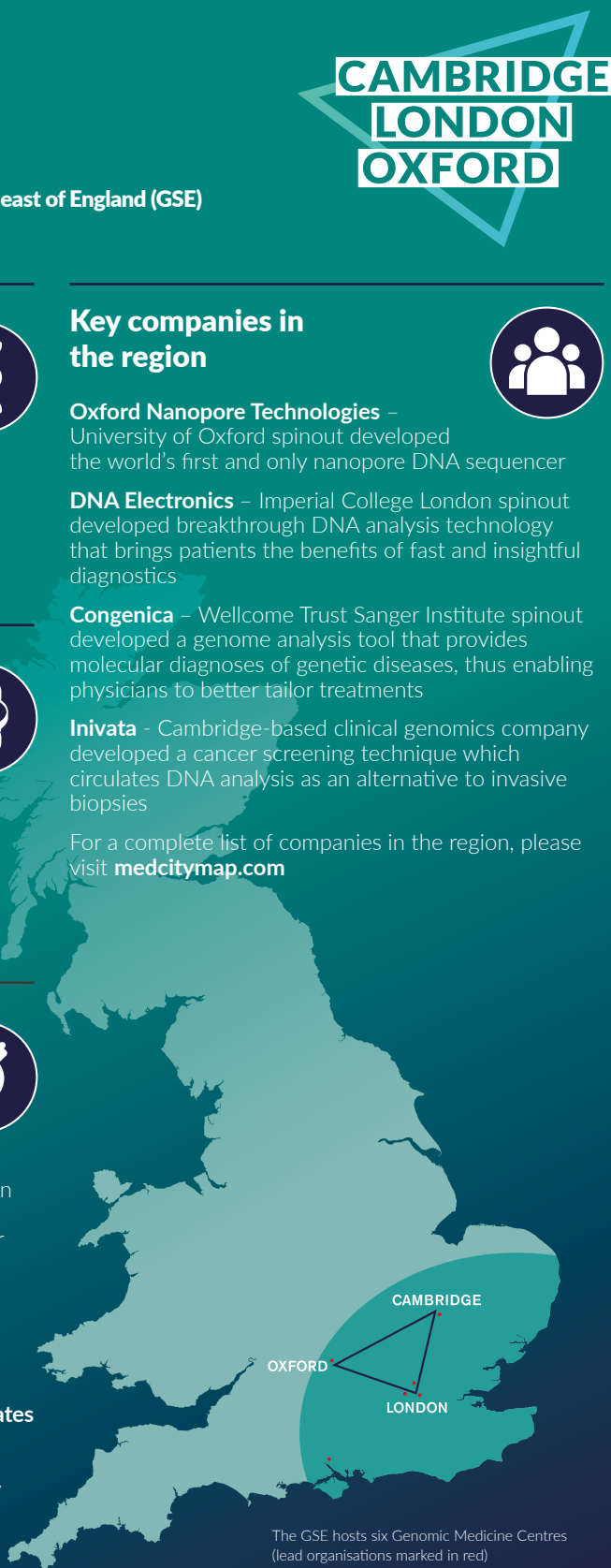
The **100,000 Genomes Project**:

- Launched by the UK government in 2012 and received over £200 million in investment
- The **largest** national sequencing project of its kind in the world
- Aimed at transforming the way people are cared for
- Focused on **rare diseases** and **cancer**



**East London Genes & Health:**

- Long-term study of 100,000 people of Bangladeshi and Pakistani origin
- These ethnic minority groups have **five times the rates of diabetes** than the rest of the UK
- Aimed at understanding more about the nature of disease and improving the health of the community



The GSE hosts six Genomic Medicine Centres (lead organisations marked in red)

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MedCity can help you navigate and access different parts of the academic, NHS and industrial life sciences and healthcare environment across the golden triangle of Cambridge, London, Oxford and the Greater South East region of England.

[office@medcityhq.com](mailto:office@medcityhq.com)

+44 (0)20 3179 8100

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