

Transforming the future of Healthcare

Every decision, every line of code and every meeting matters. Our work changes patients' lives, shapes the future of genomic research and enables the treatments of tomorrow.

We're passionate about what we do because our efforts make a difference.



About us



Bringing the benefits of genomic medicine to everyone.



In close partnership with the NHS, we aim to be:



A national scale
bioinformatics lab



An enabler and
accelerator of research



A trusted custodian
of genomic data



A key facilitator in the
transition to participatory,
personalised, predictive
and preventative health



Our virtues



Speed

We take an agile and iterative approach to everything, not just software development, seeking to share and get input constantly



Focus

We prioritise what's important and finish what we have started before moving on



Curiosity

We recognise that curiosity and experimentation are good, and we learn from evidence and experience



Integrity

Both internally and externally; we are responsible stewards of patient data; we're straight with each other and our partners – we keep our word



Impact

We deliver real world outcomes for patients, the NHS, and our partners for the long term



Connection

We are not an island, we are part of UK Health system, the global technology and life sciences community and will work with others to achieve common goals



Empathy

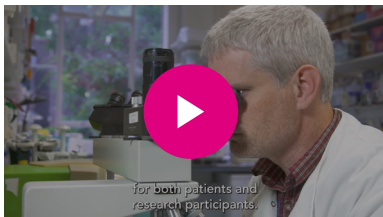
Patients are the priority, we ensure quality and relevance in our outputs, we are open and honest with them, and we put their interests ahead of our own

Video explainers

In Genomics England we are involved in some of the most exciting and innovative technologies, we tried to capture some of it and a bit about us in recent videos we've made and events we recorded. We hope they will give you an overview on what we are up to.



A few short videos explaining what we do



Shaping the future of Genomic Healthcare with Genomics England

Our mission at Genomics England, is to turn science into healthcare, using technology - for everyone. We handle the huge quantities of data produced by genomic sequencing in the NHS, to improve patient treatment and empower research into new therapeutic discoveries. Our team is motivated by the challenge of the task, the desire to learn, by each other, and by our mission.

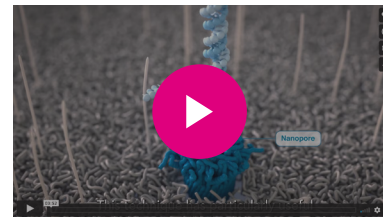
<https://vimeo.com/616881919>



Our Strategy

At Genomics England we turn science into healthcare, using technology. We enable whole genome sequencing in the NHS for the benefit of patients, and empower researchers to make new diagnostic and therapeutic discoveries. These strategic aims are underpinned by four pillars: Trust, people, scalable technology and the UK's healthcare ecosystem.

<https://vimeo.com/618852842>



Long-reads: the next generation of cancer genome sequencing

To treat cancers, we have to better understand them - and their DNA. Genomics England is pioneering a new technique to sequence the entire genomes of patients with cancer. This is long-read sequencing. Long-read uses an innovative new technique to read very long strands of individual DNA, which can reveal new information about the so called 'dark-matter' of the genome.

<https://vimeo.com/616818596>



Multimodal data: a new way to understand cancer

To understand a person's cancer, doctors and clinicians gather data using biomedical imaging, genomics and pathology. But often, these data-streams are kept separate. Genomics England's multimodal project combines data from all these sources, to find previously unseen patterns across patients' cancers that can lead to better diagnosis and treatment.

<https://vimeo.com/616835447>

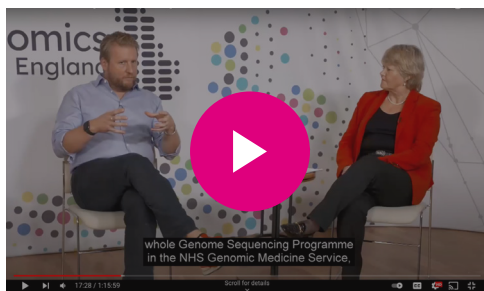


What is Genomic Medicine?

Our DNA contains 3 billion letters of code: our genome. Almost 99.8% is the same for everyone, but in the remaining 0.2% there are differences that can sometimes be harmful. With genomic medicine we can have our DNA analysed to look for these differences to inform and personalise our healthcare. Genomics England's vision is to support the NHS to make genomic medicine available to every patient, whilst enabling researchers to improve our understanding of diseases.

<https://vimeo.com/623468767>

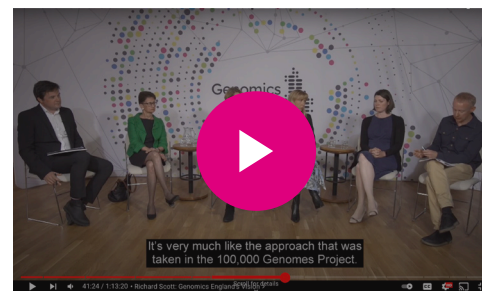
A few of our recorded events explaining what we do



A world first: Whole genome sequencing in the NHS Genomic Medicine Service

This session covers the latest project developments, as well as the key challenges and impact, both already achieved and planned for the future.

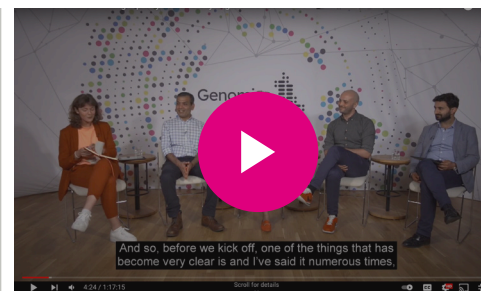
<https://www.youtube.com/watch?v=wMUm5WazMIU>



Newborn sequencing: The value and the vision

This session describes Genomics England's work with stakeholders and the public to understand the aspirations, concerns and considerations that need to be addressed and our future plans.

<https://www.youtube.com/watch?v=YphpUmcr8KA>



Genomics for all: Ensuring equality and diversity in genomic health care

This session brings together people from different fields and communities to share their perspectives on both the challenges and existing initiatives all working towards the common goal of ensuring that genomic medicine works for everyone; from the data science, to the community engagement and everything in between.

<https://www.youtube.com/watch?v=TaR1H-ek2kE&t=322s>



Cancer 2.0: Integrating long-read sequencing technology and multimodal data

This session explores our strategy to enhance our tools to characterise cancer and about our long-read sequencing and multimodal programmes.

<https://www.youtube.com/watch?v=3WQx8Ggrp8A>

Company structure



Executive leadership team



Chris Wigley
CEO



Dr Richard Scott
Chief Medical Officer
& Deputy CEO



Jackie Kinsey
Chief People Officer



Nick Maltby
General Counsel and
Company Secretary



Pete Sinden
Chief Information Officer



Catherine Byers
Chief Transformation Officer



Augusto Rendon
Chief Bioinformatician



Professor Mathew Brown
Chief Scientific Officer (CSO)



Parker Moss
Chief Ecosystems and
Partnership Officer



Rakhi Rajani
Chief Digital Officer

Genomics England Tribes

A Tribe is a collective of squads and teams with a common mission and objectives, working towards an overarching business goal.

- Tribes consist of interdisciplinary talent working hand-in-hand on a daily basis together.
- You will be assigned to a squad or a team within a Tribe.
- Most of your work will be in collaboration with colleagues in your Tribe.

