

## Fact Sheet

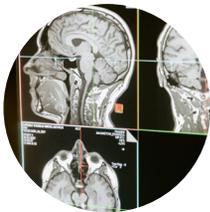
# Diagnostics and Personalised Medicine

## The opportunity

It is widely agreed that the future of medicine will be personalised to meet the needs of the individual patient. In order to move towards personalised medicine we need to better understand patient genomes and other contributing factors which make an individual patient unique. Leeds City Region is one of the leading areas of the country where this type of research is taking place and products are being developed. We can help you to access this research and begin your own product development.



## The facts



The Leeds Centre for Personalised Medicine and Health has grown to become a nationally recognised centre of excellence for precision diagnostics



The University of Leeds is a partner of the Alan Turing Institute, the UK's prestigious national institute for data science



The Translate programme connects companies to cutting-edge science, technology and research in Leeds City Region



Improve design and validate new diagnostic tests alongside clinicians in the NHS with the Leeds NIHR InVitro Diagnostics Cooperative



17,000 blood samples are processed each day by Leeds Teaching Hospitals Trust



The Leeds Musculoskeletal Biomedical Research Unit is a leading centre in patient focussed therapies for musculoskeletal diseases



## Strengths

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### Diagnostic tests

Improve design and validate new diagnostic tests alongside clinicians in the NHS with the Leeds NIHR InVitro Diagnostics Cooperative.

### Blood and tissue banks

Access Leeds Teaching Hospital's extensive blood and tissue sample base for biomarker discovery and early indicators of disease conditions. 17,000 blood samples are processed each day in an automated track facility.

## Company insight

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Abington Health produce lateral flow immunoassay tests and readers. The UK Government has entered into a contract with Abington Health for the supply of the AbC-19TM Rapid Antibody tests. In 2018, Abington worked with NASA and the Universities of Houston, Louisiana and Bath to study 23 astronauts on the International Space Station and examined the effects of spaceflight on the human body's B-cells, which help fight infection.



**somalologic**

SomaLogic developed a Protein Measurement Platform in partnership with Leeds Teaching Hospital. This is unique in identifying human protein changes associated with a variety of diseases and conditions.



Betalin Therapeutics is developing the next generation of insulin-producing cell transplantation providing a solution for insulin-dependent diabetic people using tissue engineering. Their 'Micro Pancreas' reduces the need for repeated transplantations.



ClearSky Medical Diagnostics specialises in medical devices for the diagnosis and monitoring of Parkinson's, Alzheimer's and a range of other neurodegenerative conditions. The company uses innovative machine learning to monitor and diagnose conditions.

## Contact us

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With direct access to the latest economic data and a range of business support packages, the Leeds City Region Trade and Investment Team provide a free and confidential package of services, tailored to the needs of your business, to make your investment here a success.

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