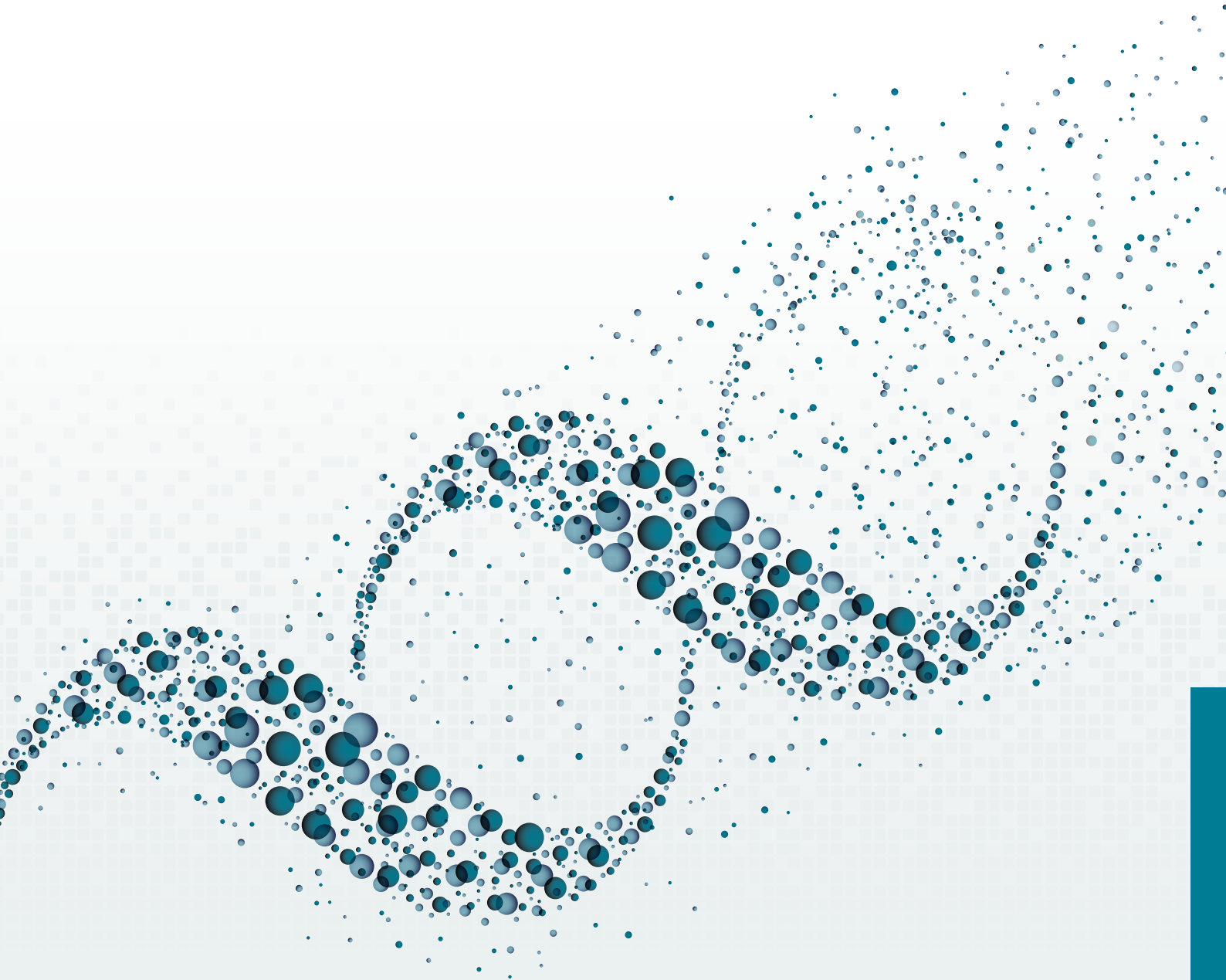
Source Genomics

Genomics Services

Your Laboratory Service Partner for Genomics



About Us

Source Genomics, a part of Source BioScience, is an international provider of integrated state-of-the-art laboratory services, serving the biotechnology industry, pharmaceutical organisations and life science academia.

Accelerate your research with the laboratory support you need for high-quality, rapid sequencing and multi-omic solutions.

Access Multimodal Data

Epigenome	**Epigenomics** (Environmental & behavioural influences)	**Integrated multi-omic data delivery**
Genome	**Genomics** (Genetic content & mutation detection)	
Transcriptome	**Transcriptomics** (Gene expression & regulation)	
Proteome	**Proteomics** (Protein content & post translational activity)	

Centre of Excellence

Located in Cambridge, UK, Source Genomics is a leading provider of Genomics services. Our custom designed laboratories operate to ISO 9001:2015 standards, and we hold close partnerships with leading technology providers including Illumina, Oxford Nanopore Technologies, Olink, 10x Genomics, Bionano, Element Biosciences and more.

10x GENOMICS | Oxford NANOPORE Technologies

Olink® | bionano™

Industry-leading Turnaround Times

We host a nation-wide courier network for the rapid transportation of your samples straight into our laboratories, enabling our scientists to process and deliver your data at unrivalled turnaround times.

Sanger Sequencing

Over 20 years' experience providing market-leading Sanger sequencing services with high data quality and data delivery within 12 hours of sample receipt.

Our sequencing service offers

1. Overnight Service™ collection boxes with results by 9am next day
2. Free troubleshooting and repetition of failed samples
3. Up to 1,400bp sequencing reads

Also access at your fingertips:

- 40 Source BioScience stock primers free of charge
- Free sample and primer storage
- Prepaid sequencing eVouchers offering pricing benefits

NGS

A comprehensive suite of NGS services provided on Illumina NovaSeq, NextSeq, NovaSeq X Plus and MiSeq platforms.

- **RNAseq transcriptomics** (poly-A, RNA depletion, ultra low input)
- **WES** (Agilent SureSelect, IDT exome)
- **WGS** (mammalian, plant, bacterial)
- **Methylation studies**
- **10x Genomics – single-cell library prep** (post GEM) & Visium (from FFPE tissue)
- **Provider of BD Rhapsody library preparation**
- **Provider of Parse Biosciences single-cell library preparation**
- **Provider of TruSight Oncology 500 library preparations**

Now offering sequencing on the most powerful Illumina platform, the NovaSeq X Plus.

Our Sanger sequencing overnight service is now available in the North of the UK!

Olink Proteomics

Source Genomics offers Olink **Explore** (including Explore HT), **Focus**, **Flex** and **Target** platforms for scalable research solutions.

Olink uses innovative PEA technology to enable the analysis of thousands of proteins simultaneously, with increased specificity and sensitivity.

- High-throughput protein biomarker discovery on NGS
- High-quality, flexible biomarker analysis
- Validation and utility of protein signatures

Optical Genome Mapping

Providing OGM services for comprehensive genome analysis using Bionano's advanced Saphyr imaging instrument.

- Visualise and map all classes of structural variants at high sensitivity and at variant allele fractions of 5%
- Fast data retrieval for novel variant identification
- OGM data can be analysed alone or in combination with sequencing or array data

Highly sensitive detection across structural variant types

Insertions/deletions

500bp for diploid genomes
5kbp for mosaic sample

Balanced and unbalanced

Translocations
Larger than
50kbp

Inversions

Larger than
30kbp

Duplications

Larger than
30kbp

Oxford Nanopore Sequencing

Source Genomics is a high-quality, UK-based service provider of Oxford Nanopore Technologies (ONT) for rapid, long-read, real-time sequencing of DNA or RNA.

Plasmid Sequencing	Whole Genome Sequencing with Epigenome	RNA Sequencing	Bacterial Whole Genome Sequencing	16s and Metagenomics
Analyse plasmid constructs	Explore the entire human and mammalian genome	Quantify isoform expression	Generate microbial genome assemblies	Full-length 16s rRNA gene sequencing
Characterise unknown plasmids		Bulk or single cell preparations		Precise taxonomic classification
Validate known plasmids		Utilise the power of 10X technology		

High-Throughput Extractions

Access high-throughput extraction services with a fleet of Chemagic 360 & Kingfisher Flex extraction robots.

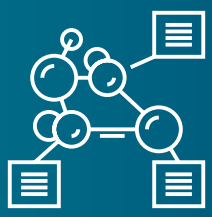
Obtain high yields high yields of ultra-pure DNA & RNA, suitable for a wide range of downstream sequencing & PCR applications.

We routinely extract from the following sources:

- gDNA from saliva, blood, buffy coat, tissue & cells
- RNA extraction from blood, tissue & cells
- ctDNA / cfDNA from plasma
- gDNA from buccal swabs, stool & environmental samples

Why Source Genomics?

Enhancing research capabilities in drug and biomarker discovery. Source Genomics is your trusted laboratory service partner for rapid sequencing and scalable multi-omics projects.



Multi-omics service offering

Highly qualified laboratory experts

Market-leading turnaround times

UK-based sample processing

Local proximity to leading biotech and pharma organisations

Hear From Our Partners

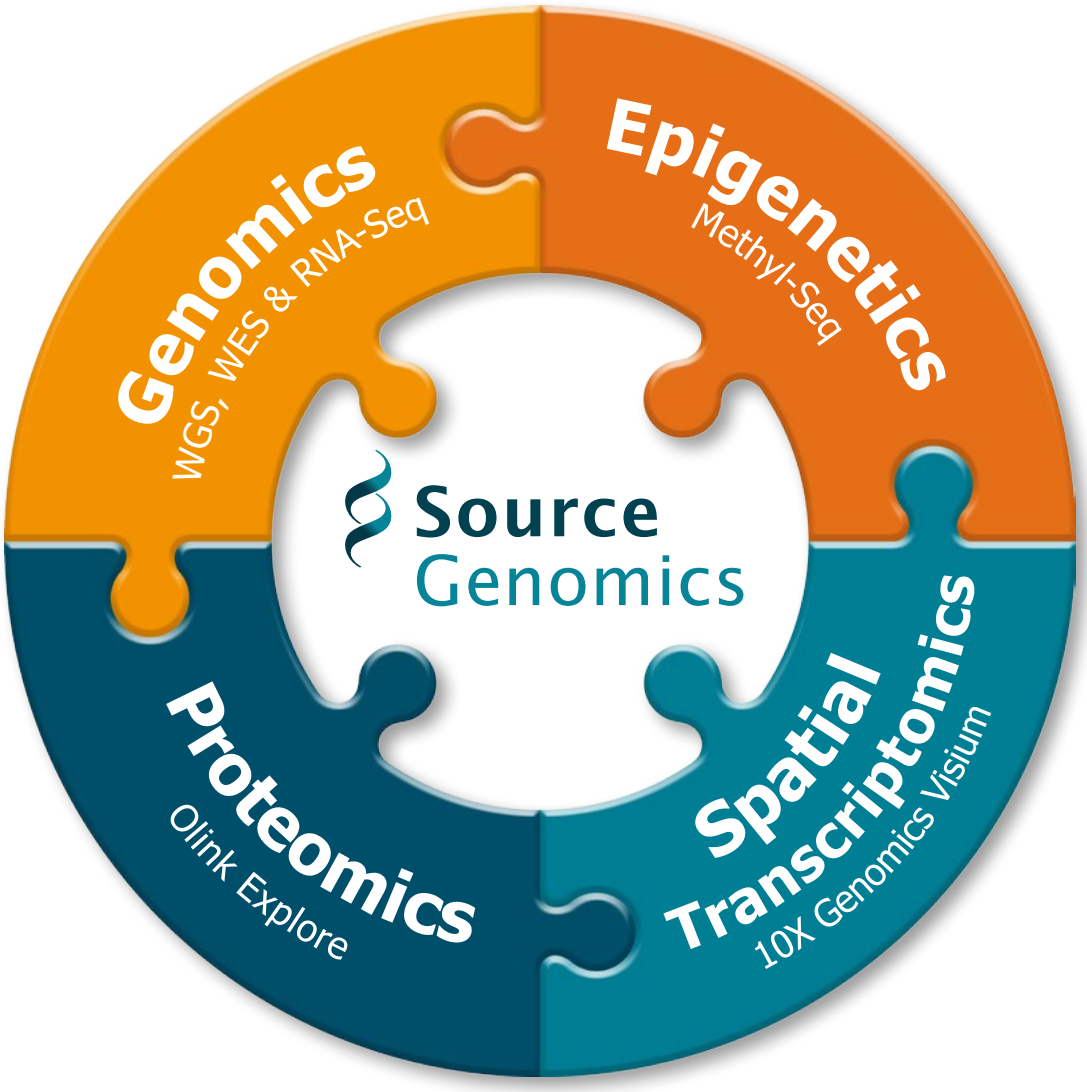
> "You've enabled us to progress our research platform faster and further than we would have done on our own."

> "The project went well, I received good sequence back in the same time frame as submission of plasmid DNA. I'll be using this service again!"

> "The close proximity to the laboratory and your team's flexibility/availability has proven to be very helpful for us in reducing the time needed for our sequencing projects."

A Multi-omic Approach to Research

Source Genomics is committed to supporting research at every biological level to push forward research and discovery across genomic medicine.



Contact the Team

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SCAN TO VISIT WEBSITE

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