

Next Generation Sequencing



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Custom Services to Drive Your Research

Amplicon Sequencing

- Amplicon-EZ
- Short-read amplicons for >100bp
- Long-read amplicons for >500bp

Whole Genome Sequencing (WGS)

- Short- and long-read
- Low-pass

Clinical Sequencing

CLIA whole genome and exome

RUO assays in CLIA

environment

Cancer Genetics

TARGET Indigene

TARGET First

Germline+

Immunogenomics

- Bulk and single-cell immune repertoire profiling
- HLA Genotyping

RNA Sequencing (RNA-Seq)

- Standard and strand-specific for mRNA and total RNA
- Small RNA
- Ultra-low input
- High-throughput gene expression screening

Targeted Sequencing

- Whole exome
- Cancer and custom gene panels
- CRISPR validation assay

Epigenomics

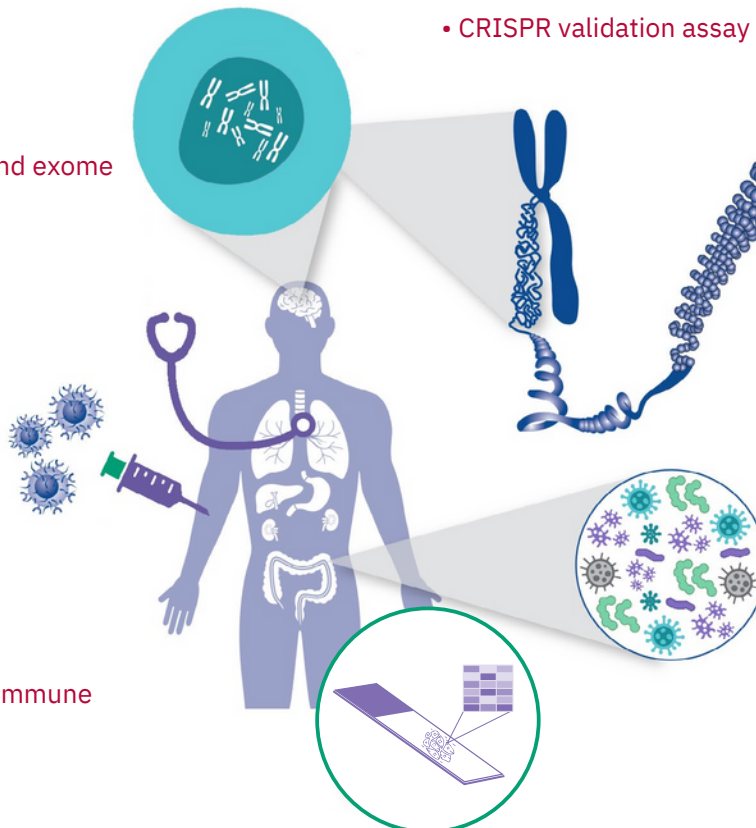
- Short read
- Methyl-Seq - Bisulphite Seq
- Single-cell and bulk ATAC-Seq
- ChIP-Seq

Metagenomics

- Whole genome
- 16S assay for bacterial ID
- ITS2 assay for fungal ID

Proteomics and Spatial Genomics

- Digital spatial profiling GeoMx Profiler



Next Generation Sequencing



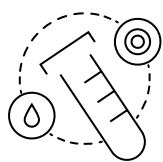
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The Innovation Matrix

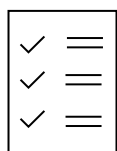
- Experience in High throughput sample processing including complex, novel, and less-than-ideal samples.
- Continuous optimization of solutions through increased automation and platform offerings.
- Accelerated on-time delivery rates with >90% of projects delivered on time.
- Expertise sequencing a variety of organisms

Quality Through Every Step



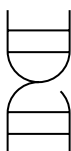
Sample Sourcing

Access to an extensive biorepository



Design

Free consultations from expert scientists



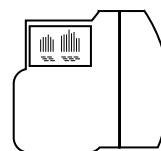
Extraction

Myriad of sample types accepted



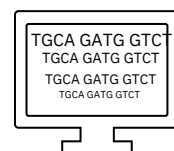
Library Prep

Automated processes improve reproducibility



Sequencing

Utilizing the latest platforms and technologies



Bioinformatics

Customizable offerings based on your needs

Flexible Package Options

Though our turnaround times already exceed industry standards, sometimes you need results quicker. We offer flexible service packages to accommodate your project deadlines while providing the same high-quality data

Value

Come in under budget with our most economical pricing

Preferred

Get results quickly without breaking the bank

Express

Meet tight deadlines with our industry-leading turnaround time

Lightning

Receive results in lightning speed for select RNA sequencing and sequencing-only services

NGS Platforms

illumina® — nanoString