

Precision NGS data, fast turnaround, insightful bioinformatics

Complete solutions for every sample type



Your research partner with multiomics and bioinformatics expertise

Signios Bio is a global multiomics solutions provider dedicated to advancing your research. Our state-of-the-art facility in California delivers the highest quality omics data with industry leading turnaround times.

Signios Bio's solutions



Premade library sequencing



RNA sequencing



Whole genome sequencing



Whole exome sequencing



Single-cell Sequencing



Spatial transcriptomics



Immune repertoire sequencing



Epigenomics Sequencing



Oncology panel sequencing



Long-read sequencing

Our solutions are supported by Illumina NovaSeq X+, 6000, MiSeq, and PacBio Revio sequencers. You can take advantage of our end-to-end solutions, including library prep, sequencing, and analysis, or you can submit premade libraries for sequencing only services.

The Signios Bio's difference

We don't just provide a service; we are your dedicated research partner, guiding you through every step of your project from experimental design to analysis. Included with every Signios Bio project, you get:

- Access to a secure customer portal to track your project and view results
- Sample and data storage for 30 days
- Go/no-go consultation after QC to ensure run success
- Dedicated technical support specialists on call for both lab and bioinformatics help

A solution for every project

Across our many available omics assays, we accept a variety of sample types as input into our seamless workflow.

Accepted sample types:

- Fresh, frozen, or fixed blood, saliva, cells, and tissue
- FFPE slides and curls
- Total RNA
- gDNA, cfDNA, ctDNA



Consultation with a Signios Bio scientist



Sample submission



Library preparation & sequencing



Turnkey analysis & data visualization

Support from data to insights

Our comprehensive bioinformatics solutions transform data into insights, facilitating drug target and biomarker discovery, tumor microenvironment analysis, and much more.



CANCER PROFILING

Detect InDels, SNVs, CNVs, micro-satellite instability, tumor mutational burden, fusions, and splice variants from ctDNA, DNA, and RNA TSO 500 workflows.



TME ANALYSIS

Assess inflammatory modulation with high-resolution mapping of the tumor microenvironment via cell type specific gene expression signatures for innate and adaptive immune cells.



SINGLE-CELL ANALYSIS

- Gene expression & heatmap visualization
- Interactive tSNE plot with cell type and cluster information
- Cell-to-cell interactome
- Customized cell type annotation



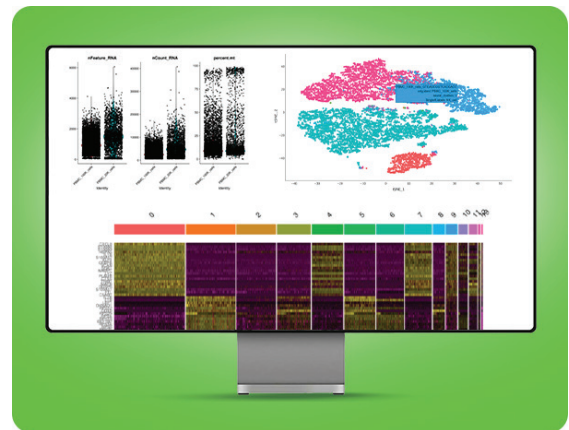
SPATIAL ANALYSIS

- Dimensionality reduction and clustering analysis
- Spatially variable expression patterns
- Customized cell type annotation
- Cell-to-cell interactome
- Spatial deconvolution (Visium)



IMMUNE PROFILING

- Full-length clonotype sequences and their frequencies
- Diversity scores for each sample
- V & J gene usage
- Phylogenetic analysis of clonotypes of interest



From strategy to publication

Generate insights with confidence, guided by Signios Bio's expertise in multiomics and bioinformatics. Our comprehensive suite of services offers a streamlined pathway to unlocking rich biological insights hidden within biology.

The science of signals, the promise of cures

A MULTIOMICS RESEARCH PARTNER

Spatial transcriptomics | Single-cell | Epigenomics | WGS/WES

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