

BGI Tech Services Overview

BGI Tech

Single-Cell Omics

- High-Throughput Single-Cell RNA-seq
- High-Throughput Single-Cell ATAC-seq
- High-Throughput Single-Cell Immune Repertoire
- Single-Tube Single-Cell RNA-seq
- Single-Tube Single-Cell WGS

Spatial Omics

- Stereo-seq
- Stereo-seq OMNI

Microbiomics

- Amplicon Sequencing
- Full-Length Amplicon Sequencing
- Metagenomic Sequencing
- Bacterial *De Novo* Sequencing
- Fungal *De Novo* Sequencing
- Bacterial Whole Genome Resequencing
- Fungal Whole Genome Resequencing

Metabolomics

Untargeted Metabolomics

- Untargeted Metabolomics
- Untargeted Plant Metabolomics

Lipidomics

High-Throughput Targeted Metabolomics

- HM Meta
- HML1600
- HM Pro2300

Targeted Metabolomics

- Amino Acids
- Steroid Hormones
- Short-Chain Fatty Acids
- Tryptophan Metabolic Pathway
- Homocysteine Metabolic Pathway
- Trimethylamine Oxide and Related Metabolites
- Bile Acids
- Vitamins
- Plant Hormones
- Neurotransmitters

Genomics

Medical Research

- Human Whole Genome Resequencing
- NEW Long-Read Human Whole Genome Resequencing
- Whole Exome Sequencing
- Target Region Sequencing

Plant and Animal Research

- Genome Survey
- Plant and Animal *De Novo* Sequencing
- T2T (Telomere-to-Telomere) Genome
- Haplotype-Resolved Genome Sequencing
- Pan-Genome Sequencing
- Plant and Animal Whole Genome Resequencing
- NEW Plant and Animal Long-Read Whole Genome Resequencing
- Low-Pass Whole Genome Resequencing (LP-WGS)

Multi-Omics Correlation Analysis

- Proteomics + Transcriptomics Correlation Analysis
- Metabolomics + Transcriptomics Correlation Analysis
- NEW Transcriptomics + Proteomics + Metabolomics Correlation Analysis
- Metabolomics + 16S Correlation Analysis
- Metabolomics + Metagenomics Correlation Analysis
- Metabolomics + Proteomics Correlation Analysis
- Single-Cell RNA-seq + Bulk RNA-seq
- Single-Cell RNA-seq + Stereo-seq
- Quantitative Proteomics + Phosphoproteomics Correlation Analysis
- Quantitative Proteomics + Glycoproteomics Correlation Analysis

Dr. Tom Multi-Omics Data Mining System

- Bulk RNA-seq
- Single-Cell RNA-seq
- Metagenomic Sequencing
- Whole Genome Bisulfite Sequencing
- Proteomics
- Metabolomics
- Metagenomics + Metabolomics

Transcriptomics

- Eukaryotic Strain-Specific Transcriptome Sequencing (*De novo*)
- Eukaryotic Strain-Specific Transcriptome Sequencing (Reference)
- Full-Length Transcriptome Sequencing (*De novo*)
- Full-Length Transcriptome Sequencing (Reference)
- Direct RNA-seq (DRS)
- UMI Small RNA Sequencing
- Long Non-Coding RNA Sequencing
- Whole Transcriptome Sequencing

Epigenomics

- Whole Genome Bisulfite Sequencing
- EM-seq
- ChIP-seq

Proteomics

Quantitative Proteomics

- DIA
- Blood DIA
- Nanoproteomics
- Metaproteomics
- TMT
- Olink

Post-Translational Modification Proteomics

- Phosphorylated Proteomics
- Acetylated Proteomics
- Ubiquitylated Proteomics
- N-Glycosylated Proteomics
- N-Linked Intact Glycopeptides Proteomics

Qualitative Proteomics

- Proteome Profiling Analysis
- Gel Band Identification

Other Services

- Pre-made Library Sequencing
- Sample Extraction