

# 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



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BGI Tech,  
Make Possible with Multi-Omics

BGI Tech



## Sequencing Platforms

Powered by DNBSEQ, CycloneSEQ, and PacBio platforms, we provide comprehensive sequencing services supporting research across plants and animals, microorganisms, human health, and drug discovery.



DNBSEQ-T20x2



DNBSEQ-T10x4



DNBSEQ-T7+



DNBSEQ-T7



DNBSEQ-G400



DNBSEQ-G99



DNBelab C-TaiM 4



CycloneSEQ G400-ER



CycloneSEQ G100-ER



PacBio Revio

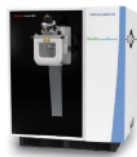
## Mass Spectrometry Platforms

Staffed with multiple high-sensitivity, high-resolution mass spectrometers, we offer large-scale proteomics and metabolomics services, and hold multiple national and regional quality management system certifications.

### Orbitrap Mass Spectrometers



Orbitrap Astral



Orbitrap Exploris 480



Orbitrap Fusion Lumos



Q-Exactive/Q-Exactive HF/Q-Exactive HF-X

### Time-of-Flight (TOF) Mass Spectrometers



timsTOF Pro

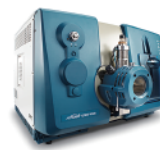


TripleTOF 5600+



Xevo-G2-XS

### Triple Quadrupole (QQQ) Mass Spectrometers



QTRAP 6500+



TQS/TQD



TSQ Altis

## Fully Integrated Solutions Empowering Multi-Omics Research



### Multi-Platform Technology Integration

Centered on BGI's proprietary short-read and long-read sequencing platforms as well as high-precision mass spectrometry, we have established an end-to-end technology system spanning genomics, proteomics, and metabolomics.



### Comprehensive Omics Coverage

We support large-scale genomics, proteomics, and metabolomics services, empowering innovation across life sciences, biotechnology, and pharmaceutical development.



### Quality and Compliance Assurance

Supported by standardized workflows and quality management systems, we deliver compliant, reliable, and fully traceable data to accelerate scientific discovery and translational research.

Contact Us

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