



## Biomics Research Outsourcing Services

Our biomics research outsourcing services provide end-to-end solutions for comprehensive biological data generation, integration, and interpretation across multiple omics layers for advanced systems biology research.

### Our Biomics Research Capabilities

With high-throughput sequencers, mass spectrometers, and specialized bioinformatics teams, we deliver precise multi-omics datasets and integrated analyses to uncover complex biological networks and pathways.

### Types of Biomics Research We Handle

- Whole Genome Sequencing
- Exome and Targeted Sequencing
- Transcriptome Sequencing and Profiling
- Single-Cell RNA-Seq Analysis
- Long-Read RNA Sequencing
- Small RNA and miRNA Analysis
- ChIP-Seq and Epigenomics
- Shotgun Proteomics
- Targeted Proteomics
- Quantitative Proteome Profiling
- Protein Post-Translational Modification Analysis
- Metabolite Fingerprinting
- Metabolome Quantification
- Fluxomics and Pathway Analysis
- Interactomics Network Construction
- Protein-Protein Interaction Mapping
- Protein-DNA/RNA Binding Studies
- Multi-Omics Data Integration
- Comparative Multi-Omics Studies
- Functional Enrichment Analysis
- Systems Biology Modelling
- Pathway Visualization and Mapping
- Microbiome Omics Analysis

- Plant Omics Projects
- Animal Omics Studies
- Clinical Omics Pipelines
- Personalized Omics Research
- Biomarker Discovery via Omics
- Custom Omics Study Design
- Regulatory-Compliant Omics Reporting

## **Key Research Outsourcing Services Offered**

- Sample Quality Control and Extraction
- Library Preparation for NGS and MS
- High-Throughput Sequencing Runs
- Mass Spectrometry-Based Proteomics
- Metabolite Profiling by LC-MS/MS
- Single-Cell Sequencing Workflow
- Bioinformatics Data Processing
- Variant Calling and Annotation
- Differential Gene Expression Analysis
- Protein Identification and Quantification
- PTM Analysis and Functional Insights
- Metabolic Pathway Mapping
- Network and Interaction Modelling
- Multi-Omics Data Correlation
- Custom Bioinformatics Pipeline Design
- Data Visualization and Custom Dashboards
- Statistical Analysis and Hypothesis Testing
- Quality Control and Raw Data Reports
- Regulatory Compliance and Documentation
- Confidential Data Handling with NDA
- Project Milestone Tracking and Reports
- Publication-Ready Figures and Tables
- Secure Data Storage and Cloud Backup
- Post-Project Data Review Sessions
- Custom Multi-Omics Database Development
- Integration with Existing Pipelines
- Method Development and Optimization
- Training and Knowledge Transfer
- Long-Term Collaboration Opportunities
- Custom Report Formatting

## **Why Choose Us for Biomics Research Outsourcing?**

Our expert omics teams, robust lab workflows, and advanced analytics ensure comprehensive multi-omics insights that accelerate biological discoveries and data-driven innovations.

## Industries & Sectors We Serve

- Pharma and Biotech Companies
- Genomic Research Institutes
- Agricultural and Plant Science Labs
- Veterinary and Animal Health Organizations
- Public Health and Clinical Research Centers
- Academic Systems Biology Labs

## Customized Biomics Solutions

We develop integrated omics workflows tailored to your research objectives, species of interest, and regulatory requirements for publication or clinical translation.

## Quality Assurance & Regulatory Compliance

Our labs follow ISO and GLP protocols, with robust QA/QC, version tracking, and traceable SOPs for audit-ready deliverables.

## Case Studies & Client Success Stories

See how our biomics services have enabled new biomarker panels, multi-omics disease models, and customized reports for academic and industry clients. References available upon request.

## How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define project scope, organism, and desired omics layers.
2. **Proposal & Quotation:** Provide detailed workflows, cost, and timeline breakdown.
3. **Lab Execution:** Perform sequencing, MS runs, and bioinformatics analysis.
4. **Data Reporting:** Deliver integrated results with visualizations and interpretations.
5. **Post-Project Support:** Offer consulting and follow-up data sessions.

## Frequently Asked Questions (FAQs)

**Q:** Can you handle large multi-omics datasets?

**A:** Yes, we use high-performance computing clusters for efficient data processing and storage.

**Q:** Do you design custom pipelines?

**A:** Absolutely — we build pipelines tailored to your data and research questions.

**Q:** Is my data secure?

**A:** NDAs, encryption, and secure servers protect your data at every stage.

## **Get Started / Request a Quote**

Contact us today to discuss your biomics research and get a customized plan and quote aligned with your goals.

## **Contact Us**

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