



Applied Metabolomics Research Outsourcing Services

Our applied metabolomics outsourcing services help you decode complex metabolic pathways, discover bioactive compounds, validate biomarkers, and understand organism physiology under various experimental conditions.

Our Applied Metabolomics Research Capabilities

Our facility is equipped with state-of-the-art LC-MS/MS, GC-MS, NMR, and bioinformatics tools to deliver accurate, reproducible metabolomics data for academia and industry alike.

Types of Applied Metabolomics Research We Handle

- Targeted Metabolite Quantification
- Untargeted Metabolite Profiling
- Metabolic Fingerprinting
- Primary and Secondary Metabolite Analysis
- Lipidomics Studies
- Plant Metabolomics
- Animal Metabolomics
- Microbial Metabolomics
- Pharmacometabolomics
- Toxicometabolomics
- Food Metabolomics
- Nutritional Metabolomics
- Metabolite Biomarker Discovery
- Metabolite Pathway Analysis
- Isotopic Tracer Studies
- Fluxomics and Metabolic Flux Analysis
- Comparative Metabolite Profiling
- Bioactive Compound Identification
- Stress Response Metabolomics
- Disease Biomarker Validation
- Drug Response Metabolomics
- Personalized Metabolomics
- Metabolite-Protein Interaction Studies
- Metabolome-Wide Association Studies

- Environmental Metabolomics
- Soil and Rhizosphere Metabolomics
- Marine Metabolomics
- High-Throughput Metabolomics Screening
- Metabolomics for Quality Control
- Custom Metabolomics Pipeline Development

Key Research Outsourcing Services Offered

- Sample Preparation and Extraction
- Metabolite Derivatization for GC-MS
- LC-MS/MS Method Development
- GC-MS Metabolite Profiling
- NMR Spectroscopy Analysis
- Metabolite Library Matching
- Untargeted Data Acquisition and Processing
- Targeted Quantification using Internal Standards
- Isotopic Labeling Studies
- Bioinformatics Pathway Mapping
- Flux Analysis Model Setup
- Comparative Statistical Analysis
- Heatmap and Clustering Visualizations
- Biomarker Validation Studies
- Metabolite-Protein Interaction Assays
- Custom Database Curation
- Data Normalization and Quality Control
- Metabolite Identification from Unknown Peaks
- Batch Effect Correction and QC
- Cross-Omics Integration Support
- Detailed Report Generation
- Compliance Documentation Preparation
- Confidential Data Handling with NDA
- Secure Cloud Data Storage and Sharing
- Publication-Ready Data Formatting
- Progress Reports and Milestone Updates
- Technical Support and Troubleshooting
- Final Data Archival and Delivery
- Post-Project Data Interpretation Consulting
- Follow-Up Experiment Design

Why Choose Us for Applied Metabolomics Research Outsourcing?

We deliver high-resolution metabolic insights using gold-standard instruments, expert analysts, and robust QC protocols, enabling you to make informed research and product decisions.

Industries & Sectors We Serve

- Pharmaceutical R&D
- Nutrition and Functional Foods
- Agri-Biotech Firms
- Environmental Monitoring Agencies
- Academic Metabolomics Labs
- Clinical Research Organizations

Customized Applied Metabolomics Solutions

We tailor metabolomics pipelines to your species, sample type, and experimental question, delivering high-confidence data, full transparency, and data IP protection.

Quality Assurance & Regulatory Compliance

Our operations follow ISO and GLP standards, ensuring rigorous QA/QC, validated pipelines, and documentation suitable for regulatory submissions and peer-reviewed publications.

Case Studies & Client Success Stories

See how our metabolomics support has enabled novel biomarker discoveries, optimized nutrition studies, and validated therapeutic pathways worldwide. Request examples on demand.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Discuss sample type, scope, and goals.
2. **Proposal & Quotation:** Share detailed plan, workflow, and cost estimate.
3. **Lab Execution:** Perform sample prep, acquisition, and data analysis.
4. **Data Reporting:** Deliver interpretable results and pathway insights.
5. **Post-Project Support:** Offer follow-up clarifications and downstream consulting.

Frequently Asked Questions (FAQs)

Q: Can you handle large sample sets?

A: Yes — our high-throughput platforms support studies with hundreds of samples.

Q: How secure is my data?

A: NDAs are standard, and data is encrypted and stored securely with restricted access.

Q: Can you integrate with other omics?

A: Absolutely — we support cross-omics projects combining metabolomics with genomics or proteomics.

Get Started / Request a Quote

Contact us today to discuss your applied metabolomics research and get a customized plan and quote.

Contact Us

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