



## Foodomics Research Outsourcing Services

Our foodomics research outsourcing services provide integrated multi-omics and advanced analytical solutions to decode food composition, bioactivity, nutritional quality, and health impacts for product innovation and safety.

### Our Foodomics Research Capabilities

Our nutritionists and analytical chemists utilize state-of-the-art mass spectrometry, NMR, and high-throughput metabolomics platforms to analyze food matrices and study food-derived metabolites in biological systems.

### Types of Foodomics Research We Handle

- Comprehensive Nutrient Profiling
- Food Metabolome Analysis
- Functional Ingredient Discovery
- Bioactive Compound Screening
- Antioxidant Capacity Evaluation
- Anti-inflammatory Property Assessment
- Food Allergen Analysis
- Food-Derived Peptide Profiling
- Flavor and Aroma Compound Mapping
- Food Quality Biomarker Identification
- Food Safety Metabolite Monitoring
- Food Microbiome Interaction Studies
- Probiotic and Prebiotic Effects Analysis
- Personalized Nutrition Research
- Diet-Metabolome Correlation Studies
- Functional Food Development Support
- Plant-Based Food Bioactivity Studies
- Fermented Food Foodomics
- High-Throughput Nutrimetabolomics
- Non-Targeted Foodomics Workflows
- Targeted Metabolite Quantification
- Multi-Omics Data Integration
- In Silico Nutraceutical Prediction

- Food Bioavailability Studies
- Nutritional Genomics Linkage
- Population Diet Exposome Analysis
- Regulatory-Compliant Foodomics Reporting
- Custom Foodomics Database Creation
- Biostatistics and Data Mining
- Custom Foodomics Research Projects

## **Key Research Outsourcing Services Offered**

- Sample Collection and Preparation
- High-Resolution Mass Spectrometry
- NMR Spectroscopy for Foodomics
- Untargeted Metabolomics Profiling
- Targeted Nutrient and Metabolite Analysis
- Bioactive Compound Isolation
- In Vitro Bioactivity Assays
- Antioxidant and Anti-inflammatory Tests
- Food Allergen Protein Identification
- Food Peptide Mapping
- Aroma and Flavor Compound Analysis
- Food Safety Marker Detection
- Probiotic Impact on Metabolome
- Prebiotic Efficacy Tests
- Personalized Nutrition Data Modeling
- Diet-Health Outcome Correlation
- Data QC, Normalization, and Analysis
- Multi-Omics Pipeline Integration
- Custom Bioinformatics Dashboard
- Regulatory-Ready Reports
- Confidential Data Handling and NDA
- Interim Project Progress Updates
- Stakeholder Presentation Support
- Manuscript-Ready Figures and Tables
- Training on Foodomics Tools
- Publication Support and Formatting
- Regulatory Consultation for Foodomics
- Workshops on Foodomics Analysis
- Long-Term Foodomics Research Partnerships
- Post-Project Data Support

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

Our foodomics team delivers detailed, reproducible nutrient and metabolite profiles to support product development, labeling claims, and consumer health benefit studies with regulatory-ready

reports.

## Industries & Sectors We Serve

- Food and Beverage R&D Teams
- Functional Food and Nutraceutical Companies
- Personalized Nutrition Startups
- Academic Food Science Research Labs
- Regulatory and Food Safety Agencies
- Public Health and Diet Research Centers

## Customized Foodomics Solutions

We develop customized sampling protocols, targeted and untargeted metabolomics panels, and integrated diet-health pipelines tailored to your product goals and compliance requirements.

## Quality Assurance & Regulatory Compliance

Our processes comply with ISO, HACCP, FSSAI, and relevant food labeling guidelines to deliver audit-ready foodomics data and comprehensive reports.

## Case Studies & Client Success Stories

Explore how our foodomics expertise has uncovered hidden bioactives, improved food labeling accuracy, and enabled functional claims substantiation for innovative food brands. References available on request.

## How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define product type, targeted analytes, and regulatory needs.
2. **Proposal & Quotation:** Provide study design, timeline, and cost breakdown.
3. **Lab and Bioinformatics Execution:** Perform profiling, bioactivity tests, and data integration.
4. **Data Reporting:** Deliver QC-checked data, comprehensive reports, and regulatory files.
5. **Post-Project Support:** Offer data interpretation, publication support, and claim validation assistance.

## Frequently Asked Questions (FAQs)

**Q:** Can you perform both targeted and untargeted foodomics?

**A:** Yes — we design workflows tailored to client product requirements.

**Q:** Do you assist with labeling claim substantiation?

**A:** Absolutely — our reports support evidence-based health claims and compliance checks.

**Q:** How secure is my product data?

**A:** NDAs, secure servers, and access control ensure confidentiality and data integrity.

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

Contact us today to discuss your foodomics research goals and get a custom plan, cost estimate, and compliance-ready timeline aligned with your product pipeline.

## **Contact Us**

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