



Epigenomics Research Outsourcing Services

Our epigenomics research outsourcing services provide cutting-edge solutions for decoding heritable gene regulation mechanisms, environmental epigenetic impacts, and disease-related epigenetic signatures.

Our Epigenomics Research Capabilities

Our molecular biologists and bioinformaticians employ state-of-the-art NGS, ChIP-Seq, ATAC-Seq, bisulfite sequencing, and single-cell epigenomics technologies under rigorous quality controls.

Types of Epigenomics Research We Handle

- DNA Methylation Profiling
- Genome-Wide Bisulfite Sequencing
- Histone Modification Mapping (ChIP-Seq)
- Chromatin Accessibility (ATAC-Seq)
- Non-Coding RNA Regulation Studies
- Small RNA Epigenetic Analysis
- Epigenetic Biomarker Identification
- Epigenetic Regulation in Cancer
- Environmental Epigenomics
- Developmental Epigenetics
- Single-Cell Epigenomic Profiling
- Epigenetic Variation Mapping
- Epigenetic Inheritance Studies
- Epigenome Editing Research
- Chromatin Remodeling Analysis
- Transgenerational Epigenetics
- Epigenetic Drug Target Validation
- Epigenetic Clock and Aging Studies
- Imprinting Disorders Research
- DNA Hydroxymethylation Analysis
- Long Non-Coding RNA (lncRNA) Studies
- Epigenetic Data Mining
- Epigenetic Disease Association Studies

- Functional Epigenomic Annotation
- Epigenome-Wide Association Studies (EWAS)
- Chromosome Conformation Capture (Hi-C)
- Integration of Multi-Omics with Epigenomics
- Epigenetic Risk Prediction Models
- Regulatory-Compliant Epigenomic Reports
- Custom Epigenomics Projects

Key Research Outsourcing Services Offered

- Sample Collection and DNA Extraction
- Bisulfite Conversion and QC
- DNA Methylation Array Processing
- Whole Genome Bisulfite Sequencing
- ChIP-Seq Library Preparation
- ATAC-Seq Assay Development
- Non-Coding RNA Profiling
- Single-Cell Epigenomics Pipeline
- Chromatin Immunoprecipitation (ChIP)
- Chromosome Conformation Capture (Hi-C)
- Hydroxymethylation Detection
- Data QC, Trimming, and Alignment
- Peak Calling and Differential Analysis
- Methylation and Histone Data Annotation
- Integration with Transcriptomics
- Functional Enrichment Analysis
- Epigenetic Network Construction
- Biomarker Discovery Pipelines
- Machine Learning for Epigenomic Data
- Visualization and Custom Dashboards
- Compliance-Ready Report Generation
- Confidential Data Storage and NDA
- Interim Progress Reporting
- Manuscript-Ready Figures and Tables
- Post-Project Data Support
- Training for Epigenomic Pipelines
- Regulatory Submission Assistance
- Stakeholder Presentation Support
- Custom Epigenomic Workshop Delivery
- Long-Term Epigenomic Collaboration

Why Choose Us for Epigenomics Research Outsourcing?

Our epigenomics team generates high-resolution, reproducible data for mechanistic studies, biomarker development, and translational research with regulatory-ready compliance.

Industries & Sectors We Serve

- Pharmaceutical and Biotech Companies
- Cancer Research Institutes
- Genomics and Precision Medicine Centers
- Aging and Regenerative Medicine Labs
- Academic Epigenetics Research Units
- Regulatory and Compliance Agencies

Customized Epigenomics Solutions

We design tailored epigenomic workflows, from sampling to computational analysis, customized to fit your disease model, species, or environmental study requirements.

Quality Assurance & Regulatory Compliance

Our workflows align with ISO, GLP, and relevant ethical standards, ensuring accurate, reproducible, and regulator-ready data packages.

Case Studies & Client Success Stories

Learn how our epigenomics research has discovered disease-specific biomarkers, unraveled transgenerational effects, and supported novel therapeutic development. References available on request.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define sample type, study goals, and target regions.
2. **Proposal & Quotation:** Share detailed workflow, cost estimate, and timeline.
3. **Lab Execution:** Perform sample processing, sequencing, and data analysis.
4. **Data Reporting:** Provide QC reports, annotations, and publication-ready outputs.
5. **Post-Project Support:** Offer consultation for follow-up studies and regulatory filing.

Frequently Asked Questions (FAQs)

Q: Can you process single-cell epigenomic data?

A: Yes — we have dedicated single-cell epigenomics pipelines for various species.

Q: Do you provide functional validation?

A: Absolutely — we integrate epigenetic data with transcriptomics and proteomics.

Q: How is our data kept secure?

A: NDAs, encrypted servers, and secure backups ensure confidentiality and integrity.

Get Started / Request a Quote

Contact us today to discuss your epigenomics research project and get a custom plan, budget, and timeline tailored to your research objectives.

Contact Us

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