



## Pharmacogenetics Research Outsourcing Services

Our pharmacogenetics research outsourcing services decode individual genetic variations affecting drug metabolism and response, enabling safer, more effective, and tailored therapies for diverse patient groups.

### Our Pharmacogenetics Research Capabilities

Our geneticists, clinical pharmacologists, and bioinformaticians utilize advanced genotyping, sequencing, and predictive modelling to support precision drug development and clinical implementation.

### Types of Pharmacogenetics Research We Handle

- Drug-Gene Interaction Studies
- CYP450 Enzyme Polymorphism Profiling
- Pharmacokinetic Genotype Analysis
- Pharmacodynamic Genomic Studies
- Adverse Drug Reaction (ADR) Risk Analysis
- Biomarker Discovery for Drug Response
- Population Pharmacogenetics Surveys
- Targeted Gene Panel Design
- Genotype-Phenotype Correlation Analysis
- Predictive Genetic Testing for Therapy
- Genetic Variant Database Curation
- Clinical Trial Genotyping Support
- Drug Dose Optimization Studies
- Multi-Ethnic Pharmacogenetics Profiling
- PGx Data Interpretation Reports
- Precision Medicine Implementation Studies
- Next-Generation Sequencing (NGS) PGx Panels
- Bioinformatics Pipeline for PGx Data
- Machine Learning for Drug Response Prediction
- Regulatory-Compliant PGx Reports
- Pharmacovigilance Genetic Risk Studies
- Therapeutic Drug Monitoring Integration
- Customized PGx Panels for Clinics

- Genetic Counseling Support Materials
- Cross-Lab Collaborative PGx Projects
- Publication-Ready Pharmacogenetics Data
- Custom Pharmacogenetics Research Projects
- Patient Data Privacy and Compliance Advisory
- Training and Workshops in PGx Applications
- Patient-Specific Drug Response Reports

## **Key Research Outsourcing Services Offered**

- Sample Collection and DNA Extraction
- Genotyping and Sequencing Services
- Polymorphism Detection and Validation
- PGx Biomarker Identification
- Bioinformatics and Variant Annotation
- Drug-Gene Interaction Database Integration
- Machine Learning Model Development
- Predictive Algorithm Customization
- Custom PGx Panel Design
- Population-Specific PGx Studies
- ADR Risk Reporting Tools
- PGx Data Interpretation Support
- Regulatory Documentation and Compliance
- Confidential Data Handling and NDA
- Interim Reports and Stakeholder Updates
- Publication-Ready Figures and Summaries
- Stakeholder Presentation Support
- Workshops and Training for Clinicians
- Post-Project Technical Consulting
- IP and Patent Filing Support
- Grant Proposal and Manuscript Assistance
- Sample Archiving and Secure Backup
- Compliance with GLP, GCP, ISO, and HIPAA
- Cross-Lab Data Validation and Sharing
- Collaboration with Clinical Research Centers
- Long-Term Pharmacogenetics Partnerships
- Custom Patient PGx Reports for Clinics
- Integration with EHR and Clinical Decision Support
- Risk Management and Pharmacovigilance Integration
- Patient Consent and Privacy Workflow Design

## **Why Choose Us for Pharmacogenetics Research**

## Outsourcing?

Our team delivers robust, accurate PGx data and patient-specific drug response insights, enabling safer prescriptions, better outcomes, and regulatory compliance for healthcare providers and pharma companies.

## Industries & Sectors We Serve

- Hospitals and Clinical Genomics Labs
- Pharmaceutical and Biotech Firms
- Personalized Medicine Providers
- Genetic Counseling Services
- Clinical Trial Sponsors and CROs
- Regulatory and Health Informatics Organizations

## Customized Pharmacogenetics Solutions

We build customized PGx panels, develop predictive algorithms, and integrate decision support tools aligned with your clinical or research requirements.

## Quality Assurance & Regulatory Compliance

Our workflows comply with GLP, GCP, ISO, HIPAA, and global pharmacogenomics guidelines, ensuring data security, patient privacy, and audit readiness.

## Case Studies & Client Success Stories

Learn how our outsourcing has enabled safer drug prescribing, population PGx profiling, and integration of PGx data into clinical workflows. References available on request.

## How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define target genes, drug classes, and patient groups.
2. **Proposal & Quotation:** Provide detailed plan, timeline, and cost estimate.
3. **Lab Genotyping and Analysis:** Perform PGx assays and data modelling.
4. **Reporting:** Deliver secure, regulatory-compliant reports and summaries.
5. **Post-Project Support:** Offer interpretation help, IP support, and integration with clinical systems.

## Frequently Asked Questions (FAQs)

**Q:** Can you develop custom PGx panels for specific populations?

**A:** Yes — we design population-tailored panels based on allele frequency and risk profiles.

**Q:** Do you assist with regulatory reporting?

**A:** Absolutely — we provide validated, audit-ready reports and SOPs for compliance.

**Q:** How secure is patient genetic data?

**A:** We enforce strict NDAs, encrypted storage, and compliance with HIPAA and GDPR.

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

Contact us today to discuss your pharmacogenetics project and receive a custom plan, timeline, and cost estimate aligned with your clinical and research goals.

## **Contact Us**

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