

BioIT

“Our BioIT services accelerate your research through early and optimal decision support.”

BioIT converts information to knowledge for usage in Discovery & Development. It integrates data from multi-disciplinary areas using Science and Information Technology.

The Informatics division of GVK BIO is a pioneer in the field of scientific database development and is known for its manually curated databases related to Cheminformatics, Protein-Protein Interactions, Pathways and Biomarkers covering chemical & biological space from Journals and Patents.

We offer the following BioIT services

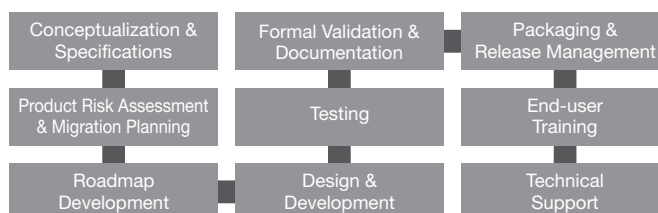
- Application Management
- Outsourced Product Development
- Application Integration
- Information & Process Management
- Formal Testing
- Scientific Process Outsourcing

Application Management

- Maintain Clients' internal curation tools
- Web-enable legacy applications
- Querying/Search across multiple biological and chemical databases
- Data analysis algorithm tools
- Interactive data visualization tools
- Re-engineering
- Database migration
- Maintenance and evolution of existing applications and products
- Migration of legacy applications/products to current technologies
- Data migration

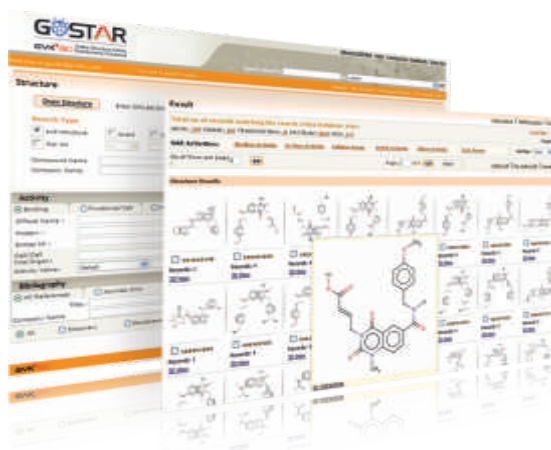
Outsourced Product Development

- Trouble ticketing & issue management
- Plug-in architecture APIs
- Backward compatibility management
- Porting to multiple platforms and architectures (where needed)
- Support for older versions



Application Integration & Data Integration

- Integration of in-house, third party, commercial and open source applications
- Database integration and integrity verification
- Semantic analysis using specified ontologies and taxonomies



GVK BIO	Target Id. & Validation	Discovery & Screening	Lead Identification & Optimization	Pre Clinical	IND Clinical Trials	Process Research & Customer Synthesis	NDA Drug Marketing
Application Management	✓	✓	✓	✓	✓	✓	✓
Outsourced Product Development	✓	✓	✓	✓		✓	
Application Integration	✓	✓	✓	✓	✓	✓	✓
Information & Process Management	✓	✓	✓	✓	✓	✓	
Formal Testing			✓	✓		✓	
Scientific Process Outsourcing	✓	✓	✓	✓	✓		

Information & Process Management

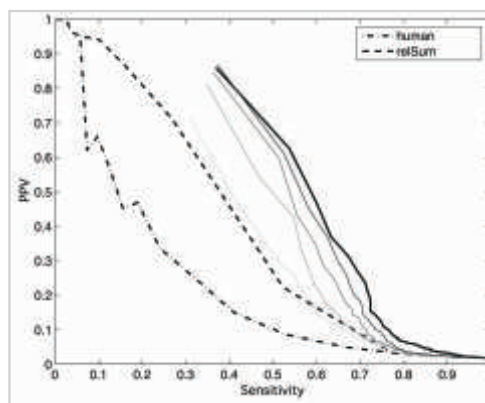
- Scientific data management
 - Instrument-generated data
 - 21 CFR Part 11 compliance
- Data extract-transform-load (ETL) tools for scientific data
- Enterprise knowledge management including SOPs
- Laboratory Information Management System (LIMS)
- Electronic Lab Notebook, with activity tracking
- Regulatory Compliance

Formal Testing

- Full life cycle verification and validation
- Functional testing
- Test automation
- Algorithm verification
- Data integrity testing
- Testing migrated/re-engineered applications and products
- Performance and stress testing

Scientific Process Outsourcing

- Implementation of third-party solutions such as Pipeline Pilot and KNIME
- Analytics
- Implementation and integration of chemical cartridges
- Technical help desk for industry-standard tools



About GVK BIO

GVK Biosciences, India's premier Contract Research Organization, delivers integrated research services. The company accelerates the Drug Discovery and Development process of its customers through science and innovation.

- Informatics
- Medicinal Chemistry
- Biology
- Process R&D and Custom Synthesis
- Clinical Research
- Clinical Pharmacology